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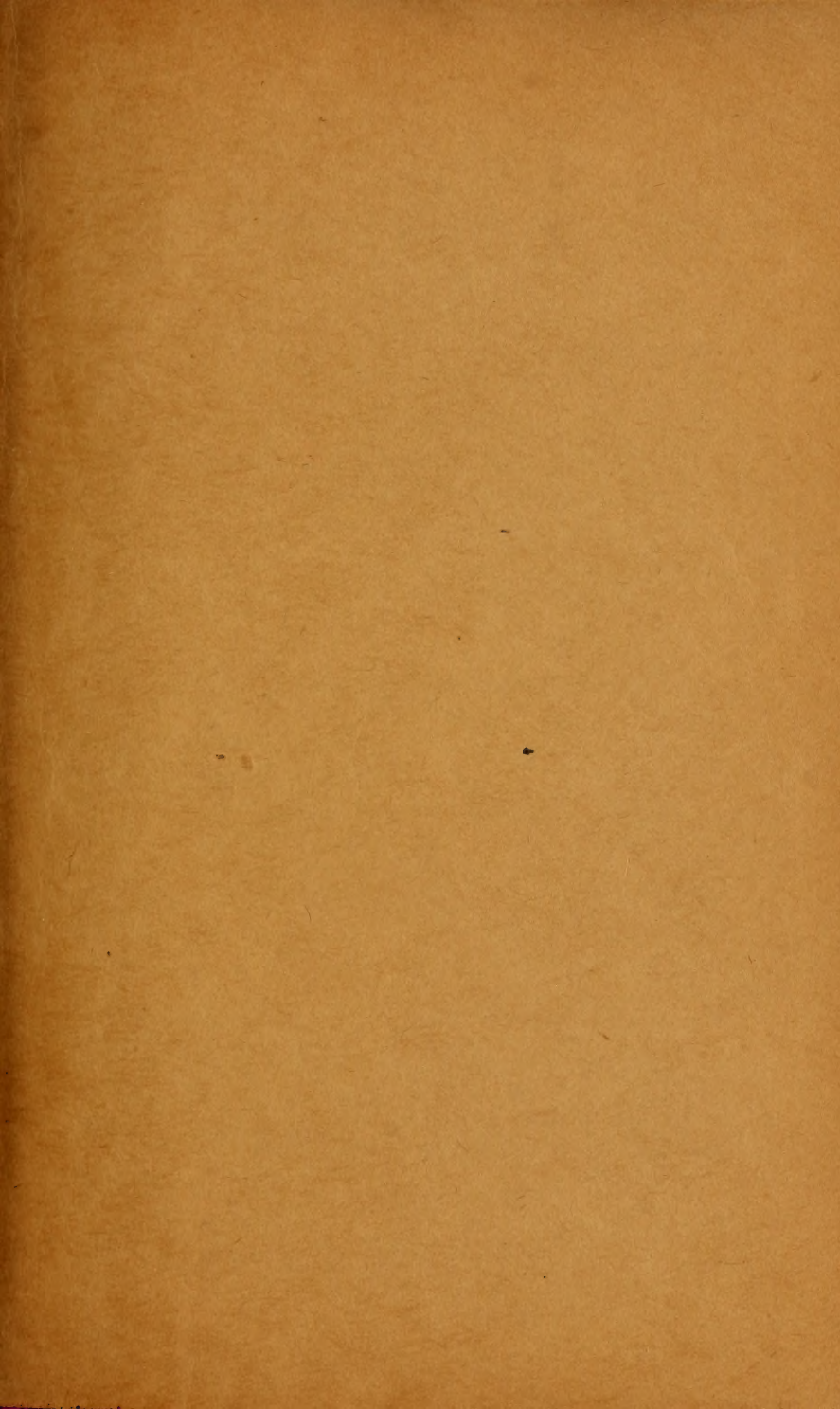
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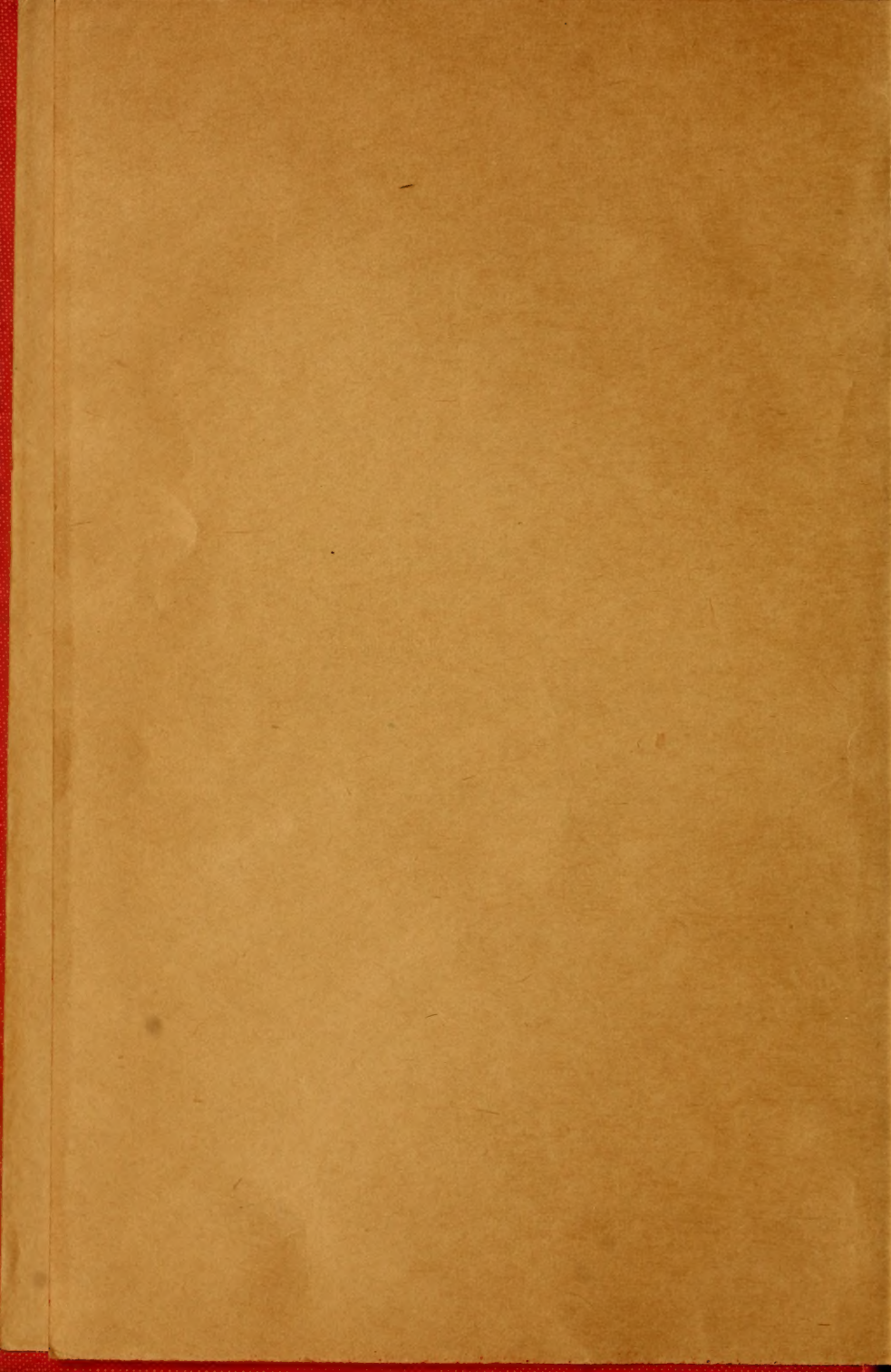
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HAVERFORD COLLEGE DIRECTORY

1920—1921

HAVERFORD COLLEGE BULLETIN

Vol. **XVIX**

OCTOBER, 1920

No. 1

Entered December 10, 1902, at Haverford, Pa., as Second Class Matter under Act of Congress of July 16, 1894.

Accepted for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized on July 3, 1918.

COLLEGE OFFICE AND BUILDING TELEPHONES*

Barclay Hall, North	439	W
Barclay Hall, South	439	J
Barclay Hall, Centre	68	
Chemical Building	988	J
Dean	1441	
Founders Hall	564	J
Graduate School	258	W
Gymnasium	754	W
Infirmery	763	
Lloyd Hall, Rooms 1-4	564	W
Lloyd Hall, Rooms 5-12	1444	
Lloyd Hall, Rooms 13-22	1427	
Merion Hall	267	J
President and Registrar	221	
Power House	988	W
Skating Pond	1426	

*Ardmore Exchange.

STUDENTS IN THE COLLEGE V. 19-20

Names and addresses. In the last column is given the number of the Student's dormitory room; Bn is an abbreviation for Barclay Hall, North; Bc, for Barclay Hall, Centre; Bs, for Barclay Hall, South; F, for Founder's Hall; L, for Lloyd Hall; M, for Merion Hall; D, for day-student.

GRADUATE STUDENTS

Name.	Home Address.	College Address.
Graves, Edgar Baldwin	2304 Madison Sq., Philadelphia, Pa.	38 Bc
A.B. (Haverford College, 1919)		
Gucker, Frank Thomson, Jr.	3420 Hamilton St., Philadelphia, Pa.	18 Bs
A.B. (Haverford College, 1920)		
White, Joseph Dixon	Guilford College, N. C.	20 Bs
S.B. (Haverford College, 1920)		

SENIOR CLASS

Abele, Alan Mason	Narberth, Pa.	* D
Arrowsmith, Harold Walton	496 Park Av., Orange, N. J.	72 Bn
Atkinson, Robert	312 Gowen Av., Mt. Airy, Pa.	19 L
Babb, Jervis Jefferis	157 Cricket Av., Ardmore, Pa.	24 Bc
Baker, James McGranahan	St. Davids, Pa.	7 F
Balderston, Richard	Colora, Md.	38 Bc
Bigelow, Henry Charles	917 Columbia Av., Millville, N. J.	21 Bs
Caskey, Paul Herbert	98 Cortleigh Bvd., N. Toronto, Can.	22 Bs
Cooper, Edwin Newbold	218 W. Providence Rd., Aldan, Pa.	D
Edmonds, John Branson	Wayne & Upsal Sts., Germantown, Pa.	15 L
Ewan, Stacy Newcomb, Jr.	Millville, N. J.	39 Bc
Fansler, Thomas La Fayette, Jr.	Frazer, Pa.	70 Bn
Gebauer, George John	963 W. 10th St., Erie, Pa.	23 Bs
Haines, Edward Cadmus	Moorestown, N. J.	43 Bc
Hastings, Alan Woods	Prescott, Mass.	15 F
Hauff, Edmund Guido	2530 N. 8th St., Philadelphia, Pa.	18 L
Heilman, Eugene Blair	876 Wynnewood Rd., Philadelphia, Pa.	37 Bc
Henderson, Herschel Clifford	113 Maitland St., Toronto, Can.	37 Bc
Hoopes, John Robison	West Chester, Pa.	44 Bc
Hurwitz, Boris Leon	2829 N. 5th St., Philadelphia, Pa.	54 Bn
Jebb, William Thomas	922 Magee St., Lawndale, Pa.	44 Bc
Klarén, John Hugo, Jr.	482 County St., New Bedford, Mass.	D
Long, Julian Sax	33 S. Washington St., Wilkes-Barre, Pa.	22 Bs
McKinley, Morrison Cushman	1619 Green St., Philadelphia, Pa.	41 Bc
Macadam, John, Jr.	Grant Av., Kentmere, Wilmington, Del.	18 L
MacIntosh, Archibald	7 Chalmers Place, Chicago, Ill.	71 Bn
Matzke, David Ernst	805 E. Seneca St., Ithaca, N. Y.	40 Bc
Mengert, William Felix	310 3rd St., S. E. Washington, D. C.	1 F
Miller, John Delaplane	Woodsboro, Md.	7 F

Name.	Home Address.	College Address.
-------	---------------	------------------

Nock, Samuel Albert	319 Division Av., Hasbrouck Hts., N. J.	23 Bs
Ohl, Raymond Theodore	148 Cricket Av., Ardmore, Pa.	17 Bs
Pierce, James Lawrence	Radnor, Pa.	11 L
Powell, Amos Arthur	Bryn Mawr, Pa.	6 F
Roberts, Christopher	27 Hillside Av., Montclair, N. J.	15 L
Roberts, Garrett	27 Hillside Av., Montclair, N. J.	16 L
Rogers, Albert Edward	Medford, N. J.	41 Bc
Rogers, Joseph Elsworth	56 Church St., Toronto, Can.	16 L
Sangree, Milton Huyett	4031 Baltimore Av., Philadelphia, Pa.	16 F
Smith, Joseph Hutchinson	419 Dean St., West Chester, Pa.	9 F
Taylor, Willard Samuel	Malvern, Pa.	39 Bc
Timbres, Harry Garland	Clover Bar, Alberta, Can.	3 F
Weatherby, Benjamin B., 2d	Millville, N. J.	19 L
Wilbur, Bertrand Henry	Haverford, Pa.	3 F
Willson, David Harris	Haddonfield, N. J.	43 Bc
Wood, Robert Newlin	Riverton, N. J.	24 Bs

JUNIOR CLASS

Abbott, Charles David, Jr.	211 S. Walnut St., Milford, Del	20 L
Arrowsmith, Noel Stryker	496 Park Av., Orange, N. J.	12 L
Barker, John Bryant	1525 Shady Ave., Pittsburgh, Pa.	66 Bn
Braddock-Rogers, Kenneth	Haddonfield, N. J.	14 F
Brinton, Charles Addison	925 Old Lancaster Rd., Bryn Mawr, Pa.	D
Bucknell, Allen Kazlitt	3227 Lincoln Av., East St. Louis, Ill.	34 Bc
Coder, William Dickey	620 S. High St., West Chester, Pa.	11 L
Flanders, Donald Alexander	31 Orchard St., Springfield, Vt.	42 Bc
Fraser, Henry Salmon	1113 First North St., Syracuse, N. Y.	36 Bc
Grigg, Harold Maurice	Haddonfield, N. J.	12 M
Gummere, John Flagg	Glen Mills, Pa.	69 Bn
Hall, Percival, Jr.	1 Kendall Green, Washington, D. C.	13 F
Hallock, Joseph	Milton, N. Y.	68 Bn
Heilman, William Blair	876 Wynnewood Rd., Philadelphia, Pa.	31 Bc
Hendricks, William Craig	Chambersburg, Pa.	31 Bc
Hilleman, George Adolph	7152 Meade St., Pittsburgh, Pa.	69 Bn
Janney, Richard Worth	212 W. Upsal St., Germantown, Pa.	13 L
Klemm, Ralph Adam	1204 Lehigh Av., Philadelphia, Pa.	17 L
Kumm, Henry William	25 Pine Grove Av., Summit, N. J.	10 F
MacCallum, William Henry, Jr.	6602 Germantown Av., Philadelphia, Pa.	14 L
Matzke, Robert Rudolph	805 E. Seneca St., Ithaca, N. Y.	32 Bc
Miller, Frederick Stahl	349 N. Duke St., Lancaster, Pa.	12 L
Miller, Karl Matz	217 E. King St., Lancaster, Pa.	9 L
Miller, Vincent Oscar	Dennistown, N. J.	110 M
Miner, Edwin Demetrius	236 Rich Av., Mt. Vernon, N. Y.	22 L
Molitor, Robert Louis	4959 Rubicam Av., Germantown, Pa.	42 Bc
Montgomery, Thomas Roger, Jr.	Woods Hole, Mass.	33 Bc
Morris, Elliston Perot, Jr.	131 W. Walnut Lane, Germantown, Pa.	19 Bs
Muench, Alfred George	3041 N. 4th St., Philadelphia, Pa.	35 Bc
Nakane, Shigeo	621 Nakashibuya, Tokyo, Japan	D
Paxson, Chauncey Gause	2414 Bryn Mawr Av., Philadelphia, Pa.	12 M
Pfund, Harry William	115 W. Logan St., Philadelphia, Pa.	14 M
Reiter, John Harkey	452 Walnut St., Allentown, Pa.	13 M
Reitzel, William Attich	Cor. Harvard and Cornell Aves., Swarthmore, Pa.	20 L

Name.	Home Address.	College Address.
Rhoads, William Lester	Boyertown, Pa.	22 L
Sagebeer, Richard Grafflin	Berwyn, Pa.	D
Sangree, Nathan Barnitz	4031 Baltimore Av., Philadelphia, Pa.	11 F
Sidel, James Eckel	509 Robeson St., Reading, Pa.	14 M
Silver, William Easter	Aberdeen, Md.	14 L
Snader, Craige McComb	Haverford, Pa.	13 L
Sutton, Richard Manliffe	1547 Clarkson St., Denver, Colo.	21 Bs
Taylor, Edward Allinson	Haverford, Pa.	35 Bc
Thompson, Edward Jackson	Philipsburg, Pa.	68 Bn
Walton, Kenneth Betts	1214 Atlantic Av., Atlantic City, N. J.	33 Bc
Wright, John Colvin	116 E. Penn St., Bedford, Pa.	11 M
Zerrer, Edwin Walter	5428 Westford Rd., Olney Park, Pa.	32 Bc

SOPHOMORE CLASS

Adamson, Thomas	Cedartown, Ga.	8 L
Allen, Russel Greene, Jr.	Cornwall-on-Hudson, N. Y.	114 M
Bacon, William Warder, Jr.	162 Queen Lane, Germantown, Pa.	13 Bs
Borton, John Carter	Moorestown, N. J.	16 Bs
Brown, Henry Tatnall, Jr.	Moorestown, N. J.	15 Bs
Buck, Addison Steward	3182 Perry Av., New York, N. Y.	6 M
Carpenter, Horace Walton	Salisbury, Conn.	102 M
Chapman, Joseph Zarre Collings	335 S. 16th St., Philadelphia, Pa.	3 L
Dennett, Carleton	350 W. 55th St., New York, N. Y.	113 M
Farrar, Hal Gordon	1434 Tremont Place, Denver, Colo.	10 L
Fisher, Guilford Dudley	Malvern, Pa.	10 Bs
Flint, Frank Plumley	11 McDevitt Place, Pittsburgh, Pa.	112 M
Fry, Gilbert Crawford	4612 Chester Av., Philadelphia, Pa.	8 L
Gillespie, Samuel Crawford, Jr.	141 Merrimon Av., Asheville, N. C.	1 L
Grimes, George Randle	333 Vassar Av., Swarthmore, Pa.	116 M
Guthrie, Frank Warren	273 North Heights, Youngstown, O.	10 L
Hamilton, William Henry	4835 California St., Omaha, Neb.	5 F
Haviland, Edward Kenneth	Port Deposit, Md.	4 M
Heyer, Charles Dixon	High & Ridgway Sts., Mt. Holly, N. J.	14 Bs
Heyne, Irvin Coltun	5258 Addison St., Philadelphia, Pa.	25 Bc
Himes, Rees Slaymaker	120 E. King St., Shippensburg, Pa.	21 L
Hoag, Garrett Scattergood	Haverford, Pa.	12 Bs
Holmes, Lee Grant	McDonogh School, McDonogh, Md.	5 F
Huffman, George Conrad	Waynesburg, Pa.	21 L
Hunsicker, William Cosgrove, Jr.	1625 Race St., Philadelphia, Pa.	9 Bs
Hunt, George Wood	709 Spruce St., Philadelphia, Pa.	109 M
Hutkin, Marcus Diamonstone	5826 Mascher St., Philadelphia, Pa.	1 M
Jones, Wilmot Rufus	Concord, Mass.	14 Bs
Knowlton, Stephen Brooks	Haverford, Pa.	D
Leeds, Robert West	162 S. Penn Av., Atlantic City, N. J.	9 L
Lewis, Andrew Lindsay	Broomall, Pa.	67 Bn
Logan, Thomas Megowan	48 E. Washington Lane, Philadelphia, Pa.	101 M
McDaniel, Delaplaine	Wyncote, Pa.	12 F
Martin, Loyal Decker	529 W. Penn St., Butler, Pa.	105 M
Morris, Marriott Canby, Jr.	131 W. Walnut Lane, Germantown, Pa.	103 M
Morss, Franklin Crawford, Jr.	6703 Cresheim Rd., Mt. Airy, Pa.	115 M

Name.	Home Address.	College Address.
Nathanson, Yale Samuel	1435 W. Indiana Av., Philadelphia, Pa.	D
Nesbit, Robert, Jr.	1128 Heberton Av., Pittsburgh, Pa. ..	2 L
Nieh, Kwonkwong	22 Wayside Road, Shanghai, China ..	D
Parke, Thomas	Downingtown, Pa.	16 Bs
Pruitt, Dudley McConnell	Chefoo, China	5 M
Rutt, Norman Eby	Bryn Mawr, Pa.	D
Scott, Kennett Schurch	Oakbourne, Pa.	28 Bc
Shoemaker Benj. Hallowell, 3d ..	523 Church Lane, Germantown, Pa. ..	3 L
Stevenson, John Bryant	1530 Denniston Av., Pittsburgh, Pa. ..	66 Bn
Strawbridge, Gordon Weld	School Lane, Germantown, Pa.	13 Bs
Strayer, Charlton Bevan	101 E. Tremont Ave., New York, N.Y.	6 M
Taylor, Morris Peck	Care of Prof. A. E. Taylor, U. of P., Philadelphia, Pa.	11 Bs
Test, Alfred Longstaff	8th and Spruce Sts., Philadelphia, Pa.	15 Bs
Tiffany, John Neil	669 Alden St., Meadville, Pa.	7 M
Wagenseller, Wayne MacVeagh ..	Mechanicsburg, Pa.	67 Bn
Walton, William Wyclif	1214 Atlantic Av., Atlantic City, N. J.	17 M
Warner, Charles, Jr.	11th and Nottingham Road, Wil- mington, Del.	1 L
White, Nelson Arold	Drexel Hill, Pa.	28 Bc
Wilbur, Harry Lawrence	Haverford, Pa.	D
Williamson, Alexander Jardine ...	West Chester, Pa.	111 M

FRESHMAN CLASS

Bader, Charles Frederick, Jr.	163 Main St., Phoenixville, Pa.	58 Bn
Bainbridge, Henry Clay	Beesley's Point, N. J.	4 L
Barry, Robert, 2d	205 N. 36th St., Philadelphia, Pa.	D
Beideman, Casper Melvin	Merchantville, N. J.	6 Bs
Blair, John Fries	Winston-Salem, N. C.	6 L
Brinton, Cortlandt Biedle	Bryn Mawr, Pa.	D
Busselle, Samuel Marshall	43 De Lisle Av., Toronto, Can.	51 Bn
Campbell, James John, Jr. ...	4747 Bayard St., Pittsburgh, Pa.	51 Bn
Carpenter, Charles Blake, Jr.	Salisbury, Conn.	104 M
Carpenter, Dean	394 Irving Av., Port Chester, N. Y. ..	8 Bs
Cole, Webster Jennings, 2d	369 W. First St., Elmira, N. Y.	5 Bs
Comfort, Howard	Haverford, Pa.	60 Bn
Costenbader, Walter Grash	Slatington, Pa.	50 Bn
Edgerton, David Russell	Haverford, Pa.	D
Ekholm, Wendell Bowman	Wendell Apts., Atlantic City, N. J.	5 Bs
Ellis, Thomas Southard	822 N. 10th St., Philadelphia, Pa.	8 F
Fetzer, John Clark	Hinsdale, Ill.	20 F
Fetzer, Wade Melville	Hinsdale, Ill.	20 F
Fisher, John Monroe, Jr.	222 S. 15th St., Philadelphia, Pa.	5 L
Frazier, Charles Harrison	1724 Spruce St., Philadelphia, Pa.	7 Bs
Greenwell, Harold Doman	4517 Spruce St., Philadelphia, Pa.	50 Bn
Hand, William Henry	122 S. Franklyn St., Nyack, N. Y.	30 Bc
Haring, Forrest Chapman	2489 Sedgwick Av., New York City. .	7 L
Harnwell, Gaylord Probasco	615 University Place, Evanston, Ill. .	60 Bn
Hastings, Stanley Bond	Prescott, Mass.	26 Bc
Haviland, Paul Robbins	The Knoll, Lansdowne, Pa.	8 F
Headley, John Frederick	West Grove, Pa.	52 Bn

Name.	Home Address.	College Address.
Heilman, Wesley Marvin	876 Wynnewood Rd., Philadelphia, Pa.	D
Herrick, Colin James	Girard College, Philadelphia, Pa.	59 Bn
Hogenauer, Howard Jessup	2640 Morris Av., Bronx, N. Y. City..	107 M
Howgate, George Washbourne ..	333 Wesley Av., Pitman, N. J.	15 M
Howland, John Gibbs	70 Borden St., New Bedford, Mass...	2 L
Jefferis, Warren Harper	100 E. Walnut Av., Merchantville, N.J.	6 Bs
Lee, Robert Harris	133 S. Kingston Av., Atlantic City, N.J.	8 Bs
Levering, Griffith George	The Hollow, Va.	29 Bc
Longstreth, Richard	826 S. 48th St., Philadelphia, Pa.	7 Bs
Muller, Frank Fenton	419 Chestnut Lane, Wayne, Pa.	3 Bs
Mullin, Arthur	Pinecrest, West Chester, Pa.	58 Bn
Nash, Charles Edgar	Wyncote, Pa.	52 Bn
Patterson, Edward Bell	42 W. Walnut Av., Merchantville, N.J.	2 Bs
Reich, John Frederick	Morris Heights, Morrisville, Pa.	29 Bc
Rhoads, Philip Garrett	Moorestown, N. J.	61 Bn
Rittenhouse, John Olmstead	392 Jefferson Av., Brooklyn, N. Y. ..	52 Bn
Robertson, James Theodore	1450 Columbus Av., N.S., Pittsburgh, Pa.	6 L
Roedel, George Joyce	613 Buck St., Millville, N. J.	2 M
Roskam, Edwin Bernard	2300 N. Broad St., Philadelphia, Pa..	63 Bn
Savage, Albert Elwood	Low Bldgs., Bryn Mawr, Pa.	1 Bs
Smith, James Bennett, Jr.	Eureka, N. Y.	30 Bc
Sprinkle, Joseph Fleming, Jr.	138 E. Long Ave., DuBois, Pa.	4 L
Taylor, Lawrence Newbold	Haverford, Pa.	61 Bn
Tingley, Charles Love Scott, Jr..	St. Davids Rd., Wayne, Pa.	4 Bs
Van Tine, Edward Postlethwaite ...	1706 Girard Av., Philadelphia, Pa. ...	5 L
Van Zandt, Howard	662 Henderson St., Ft. Worth, Tex...	17 L
Walker, Elwood Thomas	1202 DeKalb St., Norristown, Pa. ...	53 Bn
West, William Nelson, 3d	Wynnewood, Pa.	62 Bn
Wilbur, Donald Elliott	Haverford, Pa.	64 Bn
Wilson, Gerald	2487 Grand Av., New York City	7 L
Wood, Horatio Charles, 3d	434 S. 44th St., Philadelphia, Pa. ...	59 Bn

For Faculty and Officers, see back cover

FACULTY AND OFFICERS

	Address (Haverford unless otherwise noted.)	Telephone (Ardmore Exchange unless otherwise noted.)
Babbitt, Dr. James A.	3 <i>College Ave.</i>	50
Barrett, Don C.	5 <i>College Circle</i>	115 W
Carpenter, James McF., Jr.	<i>Woodside Cottage</i>	522 W
Chase, Oscar M.	<i>Founders Hall</i>	564 J
Comfort, William W.	<i>Walton Field</i>	455
Grant, Elihu	8 <i>College Lane</i>	258 W
Hinchman, Walter S.	1 <i>College Circle</i>	115 J
Johnston, Robert J.	<i>Founders Hall</i>	564 J
Jones, Rufus M.	2 <i>College Circle</i>	97 J
Kelly, John A.	<i>Founders Hall</i>	564 J
Kelsey, Rayner W.	11 <i>College Ave.</i>	563 W
Lockwood, Dean P.	6 <i>College Circle</i>	522 J
Lunt, William F.	5 <i>College Lane</i>	1507 W
Meldrum, W. Buehl	13 <i>College Ave.</i>	
Palmer, Frederic, Jr.	7 <i>College Lane</i>	97 W
Post, L. Arnold	<i>Millbrook Ave.</i>	406 J
Pratt, Henry S.	4 <i>College Circle</i>	942 J
Rantz, J. Otto	<i>Highland Park, Pa</i>	
Reid, Legh W.	<i>Merion Hall</i>	986 W
Rittenhouse, Leon H.	6 <i>College Lane</i>	285 J
Sanger, George T.	<i>Founders Hall</i>	564 J
Snyder, Edward D.	15 <i>College Ave.</i>	1509 W
Thomas, Allen C.	9 <i>College Lane</i>	258 J
Watson, Frank D.	5 <i>College Ave.</i>	203 W
Wilson, Albert H.	7 <i>College Ave.</i>	216

HAVERFORD COLLEGE REGISTER

1833-1920

Published in October, 1920



HAVERFORD COLLEGE
Haverford, Pa.

Matriculates

1854.

CADBURY, JOHN WARDER, A.B.,
441 Locust Ave., Germantown, Phila., Pa.
GARRETT, JOHN BIDDLE, A.B.....Rosemont, Pa.

1855.

Non-Graduates.

HIBBERD, ISAAC H.....232 South 10th St., San José, Calif.

1856.

CADBURY, JOEL, A.B.....1136 Ridge Ave., Philadelphia, Pa.
or 254 E. Main St., Moorestown, N. J.
WOOD, EDWARD RANDOLPH, A.B.; A.M., 1859 (LL.B., Univ. of
Pa., 1861).....400 Chestnut St., Philadelphia, Pa.

Non-Graduates.

COLLINS, STEPHEN GRELLET ...1936 Arch St., Philadelphia, Pa.
HADLEY, HIRAM (Hon. A.M., Earlham College, 1886),
Mesilla Park, New Mexico.
THOMAS, GEORGE BRINTON....10 Maple Ave., West Chester, Pa.

1857.

Non-Graduates.

TUCKER, BENJAMINBethlehem, N. H.

1858.

TYLER, WILLIAM GRAHAM, A.B.,
3638 Chestnut St., Philadelphia, Pa.

Non-Graduates.

LIVEZEY, JOHN,
Allen's Lane and Wissahickon Ave., Germantown, Phila., Pa.

HAVERFORD COLLEGE

MILLER, WILLIAM H.Media, Pa.
 PEDRICK, ALEXANDER K.

Bustleton Ave. and Red Lion Road, Bustleton, Pa.

TATUM, GEORGE M.....Brighton, Md.

UNDERHILL, STEPHENCambridge, Md.

WOOD, JAMES, A.M. (Hon.), 1883.....Mt. Kisco, N. Y.

1859.

SHARPLES, ABRAM, A.B. (M.D., Univ. of Pa., 1864) ..Goshen, Ore.

Non-Graduates.

CROMWELL, JAMES WILLIAM.....Bukman Road, Summit, N. J.

PARRISH, JAMES CRESSON.....Southampton, L. I., N. Y.

WITMER, JOHN STEELEParadise, Pa.

1860.

RICHARDSON, FRANCIS, A.B.....161 Bank St., Norfolk, Va.

Non-Graduates.

HOPKINS, JOSEPH SCHOFIELD, Garrison P. O., Baltimore Co., Md.

HOPKINS, WALTER G.....35 Simpson Road, Ardmore, Pa.

HULL, WILLIAM JANNEY..622 W. Baltimore Ave., Baltimore, Md.

MERRITT, ISAAC NEHEMIAH... 105 W. 128th St., New York City

1861.

BROOMALL, WILLIAM BOOTH, A.B., 701 E. 14th St., Chester, Pa.

STUART, JEHU HARLAN, A.B.; A.M., 1864 (M.D., Bellevue Coll.,

N. Y., 1867).....1815 Portland Ave., Minneapolis, Minn.

THOMAS, JOHN CLAPP, A.B.....1333 Bolton St., Baltimore, Md.

Non-Graduates.

LIPPINCOTT, CHARLES(No address)

MELLOR, ALFRED (Ph.G., Phila. Coll. of Pharmacy),

152 W. Walnut Lane, Germantown, Phila., Pa.

SMITH, WILLIAM EASTWICK.....Centre Square, Greencastle, Pa.

1862.

LIPPINCOTT, HORACE GREENOUGH, A.B.....Wyncote, Pa.

MELLOR, GEORGE BROWN, A.B., Wilmington Pike, W. Chester, Pa.

Non-Graduates.

LIPPINCOTT, HEULINGSRiverton, N. J.

PARSONS, SAMUEL (Ph.B., Yale, 1865),

Sans Reno Hotel, New York City

WOOD, GEORGE1313 Spruce St., Philadelphia, Pa.

1863.

BATTEY, THOMAS JESSE, A.B.; A.M., 1889,

Moses Brown School, Providence, R. I.

COATES, WILLIAM MORRISON, A.B.,

1717 Spruce St., Philadelphia, Pa.

MORRIS, WILLIAM HENRY, A.B.....Villa Nova, Pa.

PINKHAM, JOSEPH GURNEY, A.B.; A.M., 1863 (M.D., Long Island

Hospital College, 1866).....64 Nahant St., Lynn, Mass.

Non-Graduates.

CORBIT, DANIEL WHEELER.....Odessa, Del.

HOLME, JOHN GIBBON.....Salem, N. J.

JESSUP, GEORGE WHITEMoorestown, N. J.

SCOTT, THOMAS, JR.....Westinghouse Bldg., Pittsburgh, Pa.

1864.

COATES, EDWARD HORNOR, A.B.,

2024 Spruce St., Philadelphia, Pa.

COOPER, HOWARD MICKLE, A.B.; A.M., 1867,

106 Market St., Camden, N. J.

Non-Graduates.

MERRITT, CHARLES FROST.....89 Henry St., Brooklyn, N. Y.

ZOOK, JOHN MILLER.....1728 N. 19th St., Philadelphia, Pa.

1865.

CHASE, JAMES ANTHONY, A.B...239 W. Broad St., Hazleton, Pa.

THOMAS, ALLEN CLAPP, A.B., A.M., 1882,

Haverford College, Haverford, Pa.

VAIL, BENJAMIN AUGUSTUS, A.B...120 Broad St., Elizabeth, N. J.

HAVERFORD COLLEGE

Non-Graduates.

- FEBIGER, CHRISTIAN CARSON,
3421 Powelton Ave., Philadelphia, Pa.
PHARO, JOSEPH JOHN.....Tuckerton, N. J.
ROBERTS, EDWARD CHURCHMAN(No address)
SWIFT, HENRY HINSDALE.....Millbrook, N. Y.

1866.

Non-Graduates.

- BROWN, HENRY CLAY (A.B., 1866; A.M., 1869, Univ. of Pa.),
520 Walnut St., Philadelphia, Pa.
CLOUD, JOSEPH COOPER,
Young Friends' Assoc., 15th and Cherry Sts., Phila., Pa.
PENDLETON, EDWARD GRAY.....1750 N St., Washington, D. C.

1867.

- ASHBRIDGE, GEORGE, A.B., A.M., 1870 (LL.B., Univ. of Pa.),
Whitford, Pa.
DARLINGTON, CHARLES HOWARD, A.B.; A.M., 1870,
R. F. D. 3, Phoenixville, Pa.
WOOD, WALTER, A.B.....1620 Locust St., Philadelphia, Pa.

Non-Graduates.

- CHASE, ROBERT HOWLAND, A.M. (Hon.), 1885 (M.D., Univ. of
Pa., 1869) . . Church Road and Greenwood Ave., Wyncote, Pa.
COLES, DAVID BUDD, JR.....Lumberton, N. J.
DE COU, FRANKLIN25 Stanislaus St., Modesto, Calif.
HAINES, ZEBEDEEWest Grove, Pa.
HEULINGS, ISAAC W. (M.D., Jefferson Med. Coll., 1870),
231 E. Main St., Moorestown, N. J.
JACKSON, CHARLES WEST(No address)
JACKSON, WALTER(No address)
PARRISH, ALFREDAmberley, Sussex, England
TOMLINSON, BENJAMIN ALBERT.....Laurel Springs, N. J.
WISTAR, JOHNSalem, N. J.

1868.

- COOK, EDWARD HANSON, A.B.....North Vassalboro, Me.
SANTERTHWAITHE, BENJAMIN C., A.B.....(No address)

STARR, LOUIS, A.B.; LL.D., 1908 (M.D., Univ. of Pa., 1871),
1811 Walnut St., Philadelphia, Pa.

Non-Graduates.

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1871)434 35th Ave., Seattle, Wash.
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LL.B., Albany Law School, 1869),
549 Provident St., Albany, N. Y

1869.

COPE, HENRY, A.B.....Awbury, Germantown, Phila., Pa.
RANDOLPH, WILLIAM HENRY, A.B.Lenoir, N. C.
TAYLOR, EDWARD BALLINGER, A.B. (B.C.E., 1870, and M.C.E.,
1873, Polytechnic College of Pa.),
72 Linden Place, Sewickley, Pa
WHITLOCK, JAMES GILBERT, A.B.....Richmond, Va.
WOOD, HENRY, A.B. (Ph.D., Leipzig, 1879),
Johns Hopkins Univ., Baltimore, Md.
WOOD, WALTER, A.B.....63 Ash St., New Bedford, Mass.

Non-Graduates.

PEARSON, GEORGE (A.B., Harvard, 1870).....(No address)

1870.

BROWN, JAMES STUART, A.B.,
Wayne Iron and Steel Works, Pittsburgh, Pa.
CAREY, JOHN ELLICOTT, A.B.,
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COALE, ALFORD GABLE, A.B.....(No address)
HILLES, THOMAS ALLEN, A.B., 1600 W. 7th St., Wilmington, Del.
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1878)Monrovia, Ind.
WOOD, CHARLES, A.B.; A.M., 1873 (D.D., Princeton),
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1871.

GARRIGUES, JOHN SHARPLESS, A.B.....Haverford, Pa.

- HAINES, WILLIAM HENRY, A.B.,
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- MOORE, WALTER THOMAS, A.B.,
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- WINSLOW, RANDOLPH, A.B.; A.M., 1874 (M.D., Univ. of Md.,
1873; LL.D., St. Johns, 1909),
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Non-Graduates.

- HARTSHORNE, WILLIAM DAVIS (C.E., Lehigh Univ., 1874),
47 Pleasant St., Methuen, Mass.
- THOMAS, CHARLES YARNALL....R. F. D. No. 1, Darlington, Md.

1872.

- ASHBRIDGE, RICHARD, A.B. (M.D., Univ. of Pa., 1875),
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- CADBURY, RICHARD TAPPER, A.B. (A.B., Harvard, 1877; A.M.,
1878).....409 Chestnut St., Philadelphia, Pa.
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- DOWNING, THOMAS STALKER, A.B.....Whitford, Pa.
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1873.

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1877).....7 W. 43d St., New York City

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1874.

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1879).....6438 Greene St., Germantown, Phila., Pa.
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TROTTER, JOSEPH, A.B.....The Grange, Camden, N. J.

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1875.

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1876.

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vard, 1877; Ph.D., Johns Hopkins Univ., 1880; Hon. A.M.,
Williams, 1895).....Brown Univ., Providence, R. I.
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HOBBS, LEWIS LYNDON, A.B.; A.M., 1883; LL.D., 1908 (LL.D.,
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 1884).....1207 Q St., N. W., Washington, D. C.
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 BROWN, THOMAS WISTAR, JR...230 Chestnut St., Philadelphia, Pa.
 WHITE, OLIVER H.....1327 Lane St., Topeka, Kan.

1879.

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 Scotch Plains, N. J.
 NEWKIRK, JOHN BACON, A.B.,
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1880.

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 College, Iowa, 1877; Ph.D., Univ. of Pa., 1905),
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 BREDE, CHARLES FREDERIC, A.B.; A.M., 1891 (B.S., Whittier
 COX, CHARLES ELLWOOD, A.B. (Hon. A.M., Univ. of the Pacific,
 San José, 1899; A.M., Leland Stanford Jr. Univ., 1893),
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WHITALL, JOHN MICKLE,
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1881.

- BLAIR, WILLIAM ALLEN, A.B. (A.B., Harvard, 1882; Hon. A.M.,
Trinity Coll., N. C., 1889; Hon., L.L.D., 1903),
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CAREY, ANTHONY MORRIS, A.B.,
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COLLINS, WILLIAM HENRY, S.B.; A.M., 1892,
Haverford College, Haverford, Pa.
COOK, JOSEPH HORACE, S.B.....Altadena, Calif.
EDWARDS, LEVI TALBOT, A.B.; A.M., 1889,
19th and Westmoreland Sts., Philadelphia, Pa.
FORSYTHE, DAVIS HOOPES, S.B.,
400 N. Church St., West Chester, Pa.
HARTSHORNE, EDWARD YARNALL, A.B.....Haverford, Pa.
JOHNSON, ISAAC THORNE, A.B.; A.M., 1887,
200 S. High St., Urbana, Ohio
KENNARD, EDWIN ORSON, A.B.....Glendora, Calif.
MOORE, JESSE HOLLOWELL, A.B.....Harrogate, Tenn.
PAGE, WILLIAM ENOCH, A.B. (A.B., Harvard, 1882),
Fernandina, Fla.
PRICE, WALTER FERRIS, A.B.; A.M., 1882 (A.M., Harvard, 1884),
136 S. Fourth St., Philadelphia, Pa.
SMITH, ALBANUS LONGSTRETH, S.B.,
45 E. Penn St., Germantown, Phila., Pa.
WINSLOW, THOMAS NEWBY, A.B.,
212 William St., East Orange, N. J.

Non-Graduates.

- DAVIS, GEORGE FREDERICK.....281 Grove St., Fall River, Mass.
MARSHBURN, WILLIAM VALENTINE (M.D., Univ. of Louisville,

- Ky., 1886).....Box 65, Yorba Linda, Calif.
 SHIPLEY, WALTER PENN. (LL.B., Univ. of Pa., 1883),
 477 Locust Ave., Germantown, Phila., Pa.
 WHITE, WALTER309 Johnson St., High Point, N. C.

1882.

- BARTON, GEORGE AARON, A.B.; A.M., 1885; LL.D., 1914 (A.M.,
 Harvard, 1890; Ph.D., Harvard, 1891),
 237 Roberts Rd., Bryn Mawr, Pa.
 COFFIN, JOHN ELIHU, S.B..202 S. Washington St., Whittier, Calif.
 CORBIT, DANIEL, S.B.....Odessa, Del.
 COX, ISAAC MILTON, A.B.....919 12th Ave., Honolulu, Hawaii
 CROSMAN, GEORGE LORING, S.B...Deering Junction, Portland, Me.
 HAZARD, RICHARD BOWNE, A.B.,
 703-704 Globe Bldg., Minneapolis, Minn.
 JONES, FREDERICK DILWIN, S.B.,
 25 N. Wilson Ave., Alhambra, Calif.
 MORGAN, JESSE HENLEY, A.B.....823 4th St., Alva, Okla.
 PALMER, THOMAS CHALKLEY, S.B....R. F. D. No. 2, Media, Pa.
 RANDOLPH, EDWARD, A.B.....R. F. D. No. 4, Hampton, Va.
 WINSTON, LINDLEY MURRAY, S.B.,
 832 Stillman Ave., Redlands, Calif.

Non-Graduates.

- MOTT, RICHARDBurlington, N. J.
 ROBINSON, HERBERT WINSLOW (M.D., Bowdoin Coll., 1892),
 Main St., Sterling, Mass.
 ROBINSON, WILLIAM HENRY (A.M., Colby Univ., 1887),
 657 Tularosa Drive, Los Angeles, Calif.
 RUSHMORE, TOWNSEND.....524 Steele Ave., Plainfield, N. J.
 THOMAS, HENRY M. (M.D., Univ. of Maryland, 1885; Hon.
 A.M., Johns Hopkins Univ., 1902),
 1228 Madison Ave., Baltimore, Md.

1883.

- BAILY, WILLIAM LLOYD, S.B., 421 Chestnut St., Philadelphia, Pa.
 BLANCHARD, JOHN, A.B. (LL.B., Univ. of Pa., 1886),
 Bellefonte, Pa.
 BRIGGS, FRANK ELWOOD, A.B., 225 W. 86th St., New York City

- COLLINS, STEPHEN WILLETS, S.B. (LL.B., Columbia Univ., N. Y., 1885).....40 Wall St., New York City
- EDWARDS, DAVID WILLIAM, S.B.,
2054 N. New Jersey St., Indianapolis, Ind.
- EVANS, GEORGE HENRY, A.B.,
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- SCULL, WILLIAM ELLIS, S.B.....1010 Arch St., Philadelphia, Pa
- SPRUANCE, JOHN SPOTSWOOD, S.B.,
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- STUART, FRANCIS BACON, A.B.....400 Dallas St., El Paso, Tex.
- WHITE, WILLIAM ALPHEUS, S.B.Guilford College, N. C.
- WHITNEY, CHARLES HENRY, S.B.,
Tioga and Memphis Sts., Philadelphia, Pa.
- WHITNEY, LOUIS BUTLER, S.B.....529 Pine Road, Sewickley, Pa.
- WORTHINGTON, THOMAS KIMBER, A.B. (Ph.D., Johns Hopkins Univ., 1888; LL.B., Univ. of M., 1890),
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M.D., Maine Hospital Coll., 1887).....(No address)
- DUNN, ROBERT ROWE.....(No address)
- FRISSELL, WALKER IRWIN.....54 14th St., Wheeling, W. Va.
- OSBORNE, WILLIAM ELMORE.....(No address)
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- VAIL, HERBERT ELI (A.B., Hobart Coll., N. Y., 1883; A.M., 1886),
Elsmere, Delmar P. O., N. Y.
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1884.

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 TYSON, JAMES WOOD, JR.....South Strafford, Vt.
 YARNALL, CHARLTON.....17th and Locust Sts., Philadelphia, Pa.

1885.

- BAILY, CHARLES WINTER, S.B., 1508 Walnut St., Philadelphia, Pa.
 BETTLE, SAMUEL, S.B.....Haverford, Pa.
 BLAIR, JOHN JAY, S.B.....Wilmington, N. C.
 FERRIS, WILLIAM TABER, A.B....149 Broadway, New York City
 HILLES, WILLIAM SAMUEL, A.B.....New Castle Hundred, Del.
 HUSSEY, WILLIAM TIMOTHY, A.B.....North Berwick, Me.
 JONES, ARTHUR WINSLOW, A.B.; A.M., 1890,
 Friends' University, Wichita, Kan.
 JONES, RUFUS MATTHEW, A.B.; A.M., 1886 (Litt.D., Penn. Coll., 1898; A.M., Harvard, 1901; D.D., Harvard, 1920),
 Haverford College, Haverford, Pa.
 MARKLEY, JOSEPH LYBRAND, A.B.; A.M., 1886 (S.B., State Normal School, West Chester, Pa., 1883; A.M., Harvard, 1887; Ph.D., 1889)1816 Geddes St., Ann Arbor, Mich.

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- SMITH, LOGAN PEARSALL (B.A., Univ. of Oxford, England, 1892),
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1886.

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1887.

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West Point, 1893)Berwyn, Pa.
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LESLEY, HUGH, S.B.,
155 W. Washington Lane, Germantown, Phila., Pa.
MORRIS, PASCHALL HOLLINGSWORTH, B.E.....Villa Nova, Pa.
NEWHALL, BARKER, A.B.; A.M., 1890 (Ph.D., Johns Hopkins
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STOKES, HENRY WARRINGTON, A.B.,
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1905.

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1911)400 W. North Ave., Pittsburgh, Pa.
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1906)New Vienna, Ohio
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1908.

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 EDWARDS, EDWARD AIKIN, S.B.....Haverford, Pa.
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 LEWIS, WALTER E., S.B. (S.B., Penn, 1907); A.M., Penn, 1907),
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WARNOCK, AARON DEGRAUWHaverford, Pa.

1910.

- ALLINSON, EDWARD PAGE, A.B.,
Town's End Farm, West Chester, Pa.
BARRETT, LAWRENCE HANEY, A.B.,
4251 N. Capitol St., Indianapolis, Ind.
BOYCE, WILLIAM THOMAS, A.B. (A.B., Guilford, 1909; A.M.,
Harvard, 1911).....1015 Hillcrest St., Fullerton, Calif.
BRYAN, JULIAN SCOTT, S.B. (Ph.B., Franklin, 1909; A.M., Col-
gate, 1911).....459 Siwanoy Place, Pelham Manor, N. Y.
CADBURY, EARL SHINN, A.B.....Haverford, Pa.
CARY, DONALD BUSH, S.B.,
Gilman Apts., D-6, Calvert and 31st Sts., Baltimore, Md.
CLARK, CHARLES FYGIS, A.B., 2215 Spruce St., Philadelphia, Pa.
CROW, HOLLIE ERNEST, S.B. (A.B., Friends' Univ., 1909; A.M.,
Kansas Univ., 1912).....620 Hiram St., Wichita, Kan.
DAVID, EDWARD WANDELL, A.B.,
23 Glenwood Rd., Upper Montclair, N. J.
DAVIS, HENRY, A.B. (A.B., Guilford, 1909),
Guilford College, N. C.
DEVELIN, JOSEPH CHUBB, A.B. (1918),
913 S. David St., San Angelo, Texas
EDWARDS, EARLE NELSON, S.B. (S.B. in Architect., Univ. of Pa.,
1912).....Chestnut Rd., Paoli, Pa.
ELSE, RALPH ROSCOE, S.B.,
First National Bank Bldg., Berkeley, Calif.
FROELICHER, CHARLES MITCHELL, A.B.,
59 Parlsen Rd., Elizabeth, N. J.
FURNESS, HAROLD ALAN, S.B.,
129 W. Park Ave., Haddonfield, N. J.
GHEEN, EVAN PENNOCK, A.B....Care J. E. Gheen, Weiser, Idaho
GREEN, JOHN CLINTON, A.B.,
22 S. Boston Ave., Atlantic City, N. J.
HAINES, CARROLL AUSTIN, S.B.,
122 W. Mt. Airy Ave., Philadelphia, Pa.
HIRES, HARRISON STREETER, A.B.....Berwyn, Pa.
KENDERDINE, JOHN DONALD, A.B.,
1061 Madison Ave., New York City

- KERBAUGH, GEORGE ALLEN, A.B.....Haverford, Pa.
 LEININGER, CHARLES SCOTT, S.B.....Mohnton, Pa.
 LEWIS, HENRY CARVILL, S.B.,
 51 Cliveden Ave., Germantown, Phila., Pa.
 MORLEY, CHRISTOPHER DARLINGTON, A.B. (B.A., Oxford, Eng.,
 1913).....Care New York Evening Post, New York City
 MORRIS, REGINALD HOLLINGSWORTH, S.B.....Villa Nova, Pa.
 PALMER, WALTER, S.B.....105 W. 23d St., Chester, Pa.
 PHILLIPS, JOHN PHILLIPS, S.B.,
 15 W. Walnut Ave., Merchantville, N. J.
 RABINOWITZ, SAMUEL ABRAHAM, A.B. (A.M., 1913),
 2 Marquette Apts., Wilmington, Del.
 RISTINE, CHARLES SCOTT, S.B.,
 711 Old Lancaster Rd., Bryn Mawr, Pa.
 ROBERTS, ALFRED STOKES, S.B.,
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 SHOEMAKER, COMLY BIRD, 2D, S.B...1022 High St., Pottstown, Pa.
 SPAULDING, EUGENE RISTINE, S.B. (1911),
 258 Riverside Drive, New York City
 TOMLINSON, WILLARD PYLE, A.B. (A.M., Harvard, 1911),
 Swarthmore, Pa.
 TOWNSEND, HORACE RAYMOND, A.B. (A.B., Wilmington, Ohio,
 1909; A.M., Harvard, 1911)....212 S. D St., Hamilton, Ohio
 WHITALL, JAMES, A.B., A.M., 1911,
 21 St. Leonard's Terrace, London, S. W. 3, England
 WILLIAMS, WILLIAM LLOYD GARRISON, A.B. (B.A., Oxford, Eng.,
 1913; A.M., Oxford, 1916),
 College of William and Mary, Williamsburg, Va.

Non-Graduates.

- AYER, NATHANIEL DAVIS.....308 Shawmut Ave., Boston, Mass.
 BAKER, PHILIP J. (B.A., Cambridge, Eng.; M.A., Cambridge,
 1915).....King's College, Cambridge, England
 BRYANT, HENRY EARLHAM C...35 Fairview Ave., Lansdowne, Pa.
 CALLEY, DONALD MACMAKIN.....629 Center St., Boston, Mass.
 CLARK, THOMAS NOAH,
 Omar Oil & Gas Co., 806 Magee Bldg., Pittsburgh, Pa.
 COATES, SYDNEY HONOR.....141 Manheim St., Germantown, Pa.
 ESHLEMAN, RODNEY MERCUR...215 E. Orange St., Lancaster, Pa.
 FROST, MEIGS OLIVER.....(No address)
 FRUTCHEY, CHARLES ARTHUR..91 Harrison St., East Orange, N. J.

- GREENE, WILLIAM CHASE (A.B., Harvard, 1911; A.B., Oxford, England, 1914; A.M., Harvard, 1916; Ph.D., Harvard, 1917),
Groton School, Groton, Mass.
- HUTTON, ARTHUR WEBSTER.....Berwyn, Pa.
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- LAW, FERNRadnor, Pa.
- LUFKIN, HAROLD MARSHALL (S.T.B., Phila. Divinity School, 1915;
A.B., Cornell, 1920).....128 Eddy St., Ithaca, N. Y.
- MARTIN, STUART THOMPSON....56 Flatbush Ave., Brooklyn, N. Y.
- MASON, SAMUEL, JR.....Berkeley, Md.
- MAYERS, CLAYTON WADLEIGH...35 Rowe St., Auburndale, Mass.
- PHILLIPS, ALFRED INGERSOLL, JR. (S.B., Mass. Inst. Tech., 1910),
Riverside, Cook County, Ill.
- ROBERTS, ASHBEL SELLEW (A.B., Cornell, 1910)....(No address)
- SHOLEM, GROVERParis, Ill.
- SHULTZ, WALTER DEXTER (LL.B., Cornell, 1911),
10 Wenatchee Ave., Wenatchee, Wash.
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- WILSON, JOHN FRENCH..1518 Guardian Bldg., East Cleveland, Ohio
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1911.

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- BERNARD, HENRY STUCCATOR, A.B.,
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- BOYER, DANIEL BURGHARD, S.B.,
6th and Walnut Sts., Boyertown, Pa.
- BRADWAY, JOHN SAEGER, A.B., A.M., 1915 (LL.B., Univ. of Pa.,
1914)Haverford, Pa.
- CLARK, JEFFERSON HAMER, JR., A.M. (M.D., Johns Hopkins.
1915)3343 N. 20th St., Philadelphia, Pa.
- CLARKE, JAMES ALEXANDER, JR., A.M. (M.D., Jefferson Med. Col-
lege, 1916).....116 E. 58th St., New York City
- DEANE, PHILIP BERNARD, S.B....63 Oak Ave., Middleboro, Mass.
- DOWNING, JOHN STEELE, S.B., A.M., 1912.....Elsmere, Del.
- FARQUHAR, BENJAMIN B., S.B. (S.B., Wilmington, O., 1910),
Library Ave., Wilmington, Ohio
- FERRIS, HENRY, JR., S.B.....420 W. 119th St., New York City

- HADLEY, THOMAS FREDERIC, A.B. (A.B., Friends' Univ., 1910),
Richland, Iowa
- HARTSHORNE, WILLIAM DAVIS, JR., A.B.; A.M., 1912,
1038 Park Ave., Plainfield, N. J.
- HINSHAW, DAVID SCULL, S.B. Wichita Falls, Texas
- HOBBS, RICHARD JUNIUS MENDENHALL, A.B. (A.B., Guilford,
1909; LL.B., Columbia, 1914),
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- JONES, LE ROY, A.B. (A.B., Penn., 1910; A.M., Penn., 1911),
R. F. D. No. 1, Orange, Calif.
- McKAY, HOWARD FRANKLIN, S.B. (S.B., Wilmington, 1910),
R. F. D. No. 1, Wilmington, Ohio
- PATRICK, JESSE KERSEY, A.B. (M.D., Univ. of Pa., 1915),
33 E. Washington St., West Chester, Pa.
- POST, LEVI ARNOLD, A.B.; A.M., 1911 (A.M., Harvard, 1912;
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- PRICE, JOSEPH HAINES, A.B.; A.M., 1913,
226 Sumac St., Wissahickon, Phila., Pa.
- REYNOLDS, DAVID DUER, A.B. (M.D., Univ. of Pa., 1916),
Kennett Square, Pa.
- SCHOEPPERLE, VICTOR FRANZ, A.B.,
15 Lawn Ridge Rd., Orange, N. J.
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consin, 1920; A.B., Oxford, England, 1917),
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- SPENCER, EBENEZER HALL, A.B.,
47 Farragut Rd., Swampscott, Mass.
- TAYLOR, HOWARD GARDINER, JR., A.B.,
R. F. D. No. 1, Riverton, N. J.
- TOSTENSON, FREDERICK OSCAR, S.B.; A.M., 1917 Le Grand, Ia.
- WADSWORTH, CHARLES, 3D, A.B. (A.M., Harvard, 1913; Ph.D.,
Harvard, 1916),
Washington Ave. and Broadway, Hastings-on-Hudson, N. Y.
- WINSLOW, CALEB, A.B.; A.M., 1912,
1902 Mt. Royal Terrace, Baltimore, Md.
- YOUNG, ALAN SEDGWICK, S.B.,
Callaway and Edgerton Rd., Baltimore, Md.
- YOUNG, WILMER JOB, S.B. Westtown, Pa.

Non-Graduates.

- BIRDSALL, DANIEL LINDLEY (No address)
- CHRISTIE, RONALD (No address)

- ELFRETH, J. BENNINGTON, JR., A.B.,
Standard Supply and Equipment Co., 13th and Cherry Sts.,
Philadelphia, Pa.
- FALCONER, DOUGLAS PLATT, A.B.,
265 Delaware Ave., Buffalo, N. Y.
- FANSLER, RALPH LEE, A.B.,
Care Riverside State Bank, Riverside, Ill.
- FARQUHAR, FRANCIS HUNT, S.B. (B.S., Wilmington, O., 1911),
201 Fife Ave., Wilmington, Ohio
- FERRIS, LESLIE WARREN, A.B. 116 Maple Ave., Takoma, Md.
- FROELICHER, HANS, JR., A.B. (LL.B., Univ. of Md., 1917),
Ruxton, Md.
- HOWARD, WILLIAM HERBERT, A.B. (A.B., Guilford, 1911),
Mechanic, N. C.
- HOWSON, HORACE, A.B. Box 501, Independence, Kan.
- HUNT, CLARENCE MERLE, A.B. (A.B., Wilmington, O., 1911),
Port William, Ohio
- LATHEM, LANCE BRENTON, A.B.; A.M., 1913,
123 W. North Ave., Chicago, Ill.
- LEWIS, WILLIAM EVAN, A.B. (Ch.E., Lehigh, 1915),
26 N. 6th St., Allentown, Pa.
- LONGSTRETH, WALTER WOOD, S.B. Ardmore, Pa.
- LOWRY, HERBERT MENDENHALL, A.B.,
6710 MacCallum St., Germantown, Phila., Pa.
- MAIER, HARMON, A.B. (A.B., Earlham, 1911) ... Covington, Ohio
- MARSHBURN, ALBERT LAWRENCE, A.B. (A.M., Univ. of Calif.,
1915) 252 N. J St., Dinuba, Calif.
- MILLER, EDWARD IMBRIE, A.B. (A.B., Lincoln Univ., Pa., 1910),
Lincoln University, Pa.
- MILLER, ROBERT EVERTS, A.B.,
1271 Wheatland Ave., Lancaster, Pa.
- MOON, CHARLES THOMPSON, S.B. Fallsington, Pa.
- MORRIS, SYDNEY SHARP, S.B. Berwyn, Pa.
- MURRAY, DAVID COLDEN, A.B., 317 Davis Road, Llanerch, Pa.
- NICHOLS, ELI, S.B. (M.D., 1915),
1607 Mt. Salem Lane, Wilmington, Del.
- PARKER, JOHN HOLLOWELL, S.B.,
1923 St. Paul St., Baltimore, Md.
- POLEY, IRVIN CORSON, A.B., 33 E. Upsal St., Mt. Airy, Phila., Pa.
- RENNINGER, JOHN DAUB, A.B., 220 Seneca St., Harrisburg, Pa.
- RHOAD, KENNETH ANDREW, A.B.,
Valley View Farm, Phoenixville, Pa.

- RITTS, LEONARD CHASE, A.B. 1612 S. Detroit St., Tulsa, Okla.
 ROBERTS, WILLIAM HOOTEN, JR., S.B.,
 51 E. Maple Ave., Moorestown, N. J.
 SHIPLEY, THOMAS EMLÉN, A.B. (LL.B., Univ. of Pa., 1916),
 5629 Musgrave St., Germantown, Phila., Pa.
 SMILEY, FRANCIS GEROW, A.B. Mohonk Lake, N. Y.
 SMITH, LLOYD MELLOR, A.B.,
 45 E. Penn St., Germantown, Phila., Pa.
 STEERE, WALTER HOPKINS, A.B.,
 Browning Hotel, Grand Rapids, Mich.
 THOMAS, HENRY MALCOLM, JR., S.B. (M.D., Johns Hopkins,
 1916) 1228 Madison Ave., Baltimore, Md.
 WALLERSTEIN, EDWARD, JR., A.B.,
 253 W. Hortter St., Germantown, Phila., Pa.
 WHEELER, GUY SAMUEL, A.B.,
 c/o Ajax Repair Co., Philadelphia, Pa.

Non-Graduates.

- BIEDENBACH, ALBERTUS LUCAS,
 1340 Monroe Ave., Bethlehem, Pa.
 BRINTON, EDWARD GARRETT. 403 N. Church St., West Chester, Pa.
 CADBURY, GEORGE NORMAN .. Manor House, Northfield, England
 CLEMENT, GREGORY,
 223 E. Graver's Lane, Chestnut Hill, Phila., Pa.
 GARNER, RALPH LESLIE. 3 Summit Ave., Winchester, Mass.
 GRAHAM, WALTER FRANKLIN (B.S., Penna. State Coll., 1914),
 Truell Court, Plainfield, N. J.
 HILL, JOSEPH BENNETT (B.S. in Chem., Univ. of Pa., 1913; Ph.D.,
 Univ. of Pa., 1916) 409 N. 36th St., Philadelphia, Pa.
 HOFFMAN, SCHUYLER VAN VECHTEN, JR. Pittsburgh, Pa.
 KWAN YAN CHO,
 Canton Christian College, Honglok, Canton, China
 LOWRY, JOHN BLANCHARD. 3416 Race St., Philadelphia, Pa.
 RAUB, WILLIAM WEBSTER. 126 Franklin St., Danville, Ill.
 ROBUCK, PEARL FRANZ (B.S., Wilmington, O., 1911),
 Fife Ave., Wilmington, Ohio
 STURGIS, SAMUEL BOOTH (M.D., Univ. of Pa., 1914),
 118 Coulter Ave., Ardmore, Pa.
 TUNIS, RICHARD. 5927 Locust St., Philadelphia, Pa.
 VOTAW, GEORGE JOSEPH Eudora, Kan.
 WETZEL, CHARLES HOWARD (M.E., Cornell, 1913),
 818 Commercial Trust Bldg., Philadelphia, Pa.

1913.

- BAKER, PAUL GAY, A.B.Kensington, Conn.
 BEATTY, JOSEPH MOORHEAD, JR., A.B. (A.M., Harvard, 1914;
 Ph.D., Harvard, 1917)Toughkenamon, Pa.
 BROWN, PAUL HOWARD, S.B. (S.B., Earlham, 1912),
 Earlham College, Richmond, Ind.
 CROSMAN, CHARLES HENRY, A.B..550 Superior Ave., Dayton, O.
 CROWDER, WILLIAM SAMUEL, A.B.,
 205 W. Upsal St., Germantown, Phila., Pa.
 CURTIS, FREDERICK AUGUSTUS, A.B.,
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 DIAMENT, FRANCIS HARRAR, S.B....Berkley Road, Devon, Pa.
 FROELICHER, FRANCIS MITCHELL, A.B.,
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 GIFFORD, PHILIP COLLINS, A.B....257 Hope St., Providence, R. I.
 GODDARD, ARTHUR HERBERT, A.B.,
 180 Claremont Ave., New York City
 GREGORY, RAYMOND, A.B. (A.B., Wilmington, Ohio, 1912; A.M.,
 Harvard, 1914; Ph.D., Ohio State Univ., 1917),
 New Vienna, Ohio
 HADLEY, LAWRENCE NATHAN, A.B. (A.B., Friends' Univ., 1912),
 R. F. D., Valley Center, Kan.
 HALL, NORRIS FOLGER, A.B. (A.M., Harvard, 1915; Ph.D., Har-
 vard, 1917)Haverford College, Haverford, Pa.
 HARE, WILLIAM YARNALL, S.B.,
 3401 N. 21st St., Philadelphia, Pa.
 HIRES, CHARLES ELMER, JR., S.B.,
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 HOWSON, RICHARD, S.B....36 Mansion Ave., Haddonfield, N. J.
 LONGSTRETH, WILLIAM CHURCH, A.B.,
 Kitchen's Lane, Mt. Airy, Phila., Pa.
 LUDLAM, JESSE DIVERTY, A.B....Cape May Court House, N. J.
 MAULE, EDMUND RICHARDSON, A.B.,
 654 Chester Ave., Moorestown, N. J.
 MEADER, STEPHEN WARREN, A.B.,
 130 E. Walnut Lane, Germantown, Phila., Pa.
 MENDENHALL, LLOYD HADLEY, S.B. (S.B., 1912; A.M., Penn
 Coll., 1913).....R. F. D. No. 3, Earlham, Iowa
 MONTGOMERY, GEORGE, A.B. (A.M., Harvard, 1914),
 1638 N. 57th St., Philadelphia, Pa.
 NICHOLSON, HERBERT VICTOR, S.B., R. F. D. No. 1, Westville, N. J.

- OFFERMANN, HARRY C., A.B. (A.M., Princeton, 1914; B.D., Mt. Airy Theolog. Seminary, 1917),
St. John's Lutheran Church, Milton St., Brooklyn, N. Y.
- PICKETT, SAMUEL CALEB, A.B. (A.B., Whittier, 1911),
1508 E. 7th St., Long Beach, Calif.
- PORTER, OLIVER MOORE, S.B. Kensington, Conn.
- TATNALL, JOSEPH, A.B.,
329 Cypress Ave., Woodlynne, Camden, N. J.
- TAYLOR, NORMAN HENRY, A.B. (A.M., Harvard, 1914; M.D., Harvard, 1918) 8016 Seminole St., Chestnut Hill, Pa.
- THOMAS, LESTER RALSTON, S.B. Avondale, Pa.
- VAN SICKLE, JOHN VALENTINE, A.B.,
16 Buckingham St., Springfield, Mass.
- WEBB, WILLIAM, A.B.; A.M., 1914 (Bach. of Library Science, N. Y. State Lib. School, 1916),
c/o Mrs. E. G. Webb, Ursinus College, Collegeville, Pa.
- WINSLOW, EDWARDS FAYSSOUX, A.B. (Phar.D., Univ. of Md., 1909) Haverford, Pa.
- WINSLOW, GEORGE LEIPER, S.B. (A.B., St. John's College, 1912; B.S. in Engr., Johns Hopkins Univ., 1916),
1900 Mt. Royal Terrace, Baltimore, Md.
- WOOSLEY, JOHN BROOKS, A.B.; A.M., 1914 Jamestown, N. C.
- YOUNG, CHARLES OTIS, S.B.; A.M., 1914 (Ph.D., Univ. of Pittsburgh, 1918) Mellon Institute, Pittsburgh, Pa.

Non-Graduates.

- BRILES, HERMAN MCKINLEY Westfield, Ind.
- DARLINGTON, CHARLES GOODLIFFE (M.D., Medico-Chirurgical Coll., Phila., 1915) Tenaflly, N. J.
- FALLON, LEWIS FLEMMING (A.B., and M.D., Univ. of Pa.),
St. Johns, Newfoundland
- KELLETT, WILLIAM WALLACE (Litt.B., Princeton, 1913),
5103 Newhall St., Germantown, Phila., Pa.
- KIRK, ELISHA T. (B.S., 1910),
General Delivery, Des Moines, Iowa
- KOJIMA, MARSAYASHI (A.B., Potomac Univ., 1917; LL.B., Potomac Univ., 1920) 105 E. First St., Los Angeles, Calif.
- KURTZ, HENRY KELLER, Jr.,
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- MCCONNELL, WILLIAM MALLERY 8 Court St., Concord, N. H.

- MORGAN, GERARD.....6 Club Road, Roland Park, Md.
 PEASLEE, FRANCIS ALBERT.....Pittsfield, N. H.
 REDFIELD, ALFRED CLARENCE (B.S., Harvard, 1914; Ph.D., Harvard, 1917)73 Main St., Concord, Mass.
 RICHARDS, WILLIAM,
 c/o Amer. Scandinavian Foundation, 25 W. 45th St., N. Y. City
 ROSSE, GEORGE MORTON(No address)
 SARGENT, GORHAM PARSONS (A.B., Dartmouth, 1914),
 Haverford, Pa.
 STIEFF, FREDERICK PHILIP, JR.,
 315 N. Howard St., Baltimore, Md.
 STINSON, JAMES EDME (Litt.B., Princeton, 1914),
 8 Otsego Road, Worcester, Mass.
 TAYLOR, GERARD KIRKBRIDE....20 W. Orange St., Lancaster, Pa.
 WATSON, JOHN NORRIS,
 c/o Taylor & Watson, 576 Fifth Ave., New York City
 WEBER, GEORGES MINCH.....Cosmos Club, Washington, D. C.
 WILDER, DONALDWarwick, N. Y.
 WOOD, ADELBERT DAY(No address)

1914.

- BELL, HENRY ERNEST, S.B.....Milton, N. Y.
 BENTLEY, JULES SILVANUS, A.B.,
 1069 Princess Ave., Camden, N. J.
 BOWERMAN, WALTER GREGORY, A.B. (A.M., Michigan Univ.),
 34 E. 32nd St., Bayonne, N. J.
 CHAMPLIN, CARROLL DUNHAM, A.B.; A.M., 1915,
 122 York Ave., Towanda, Pa.
 CLARKE, STEWART PATTERSON, A.B.....Devon, Pa.
 DOWNING, GEORGE VALENTINE, S.B.....Elsmere, Del.
 EDGERTON, CHARLES WILLIS, S.B.....Haverford, Pa.
 ELKINTON, ALFRED WALTON, S.B.,
 c/o Philadelphia Quartz Co. of California,
 6th and Grayson Sts., Berkeley, Calif.
 ELKINTON, HOWARD WEST, A.B..121 S. 3rd St., Philadelphia, Pa.
 ELKINTON, THOMAS WILLIAM, S.B.,
 121 South 3rd St., Philadelphia, Pa.
 FERGUSON, JOSEPH COOPER, 3RD, S.B.,
 115 W. Mermaid Lane, Chestnut Hill, Phila., Pa.
 FERRIS, MALCOLM, S.B.....3409 Baring St., Philadelphia, Pa.
 GARRIGUES, JOHN KITTERA, A.B.,
 437 Berkeley Road, Haverford, Pa.

- GREEN, JESSE PAUL, A.B.; A.M., 1917,
606 W. 20th St., Wilmington, Del.
- JONES, EDWARD MORRIS, A.B., 1723 Ranstead St., Philadelphia, Pa.
- KELLY, THOMAS RAYMOND, S.B. (S.T.B., Hartford Theological
Seminary, 1919).....222 Fife Ave., Wilmington, Ohio
- KELSEY, HADLEY HART, A.B.....Wilmington, Ohio
- LANE, HAROLD MACY, A.B.....35 W. 39th St., New York City
- LEWIS, BENJAMIN JONES, S.B.....Church Road, Broomall, Paa.
- LOCKE, ROBERT ALLISON, S.B....314 E. Main St., Titusville, Paa.
- McFARLAN, ROY, A.B.,
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- McKINLEY, ROWLAND PAUL, S.B.,
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- ROGERS, ROBERT GROVES, A.B. (S.T.B., 1918),
306 McDonough St., Brooklyn, N. Y.
- SANGREE, PAUL HUDSON, S.B.,
42 Mansion Ave., Haddonfield, N. J.
- SMITH, ROBERT CHAPMAN, S.B....Old York Road, Hatboro, Pa.
- STOKES, SAMUEL EMLIN, A.B. (M.D., Univ. of Pa., 1918),
220 E. Main St., Moorestown, N. J.
- TAYLOR, HERBERT WILLIAM, A.B. (M.D., 1919),
Haverford, Pa.
- TRUEBLOOD, CHARLES KINGSLEY, S.B.,
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Pa., 1920)3648 Chestnut St., Philadelphia, Pa.
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410 Race St., Philadelphia, Pa.
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Non-Graduates.

- FINESTONE, LEWIS JULIUS (LL.B., 1914),
404 Green St., Philadelphia, Pa.
- GATES, MORRIS WHITE634 Oak St., Cincinnati, Ohio
- GEISINGER, WILLIAM SHELLY..25 Fernwood Ave., Bethlehem, Pa.
- HEYM, GERHARD (A.B., Harvard, 1914),
c/o Dr. A. Heym, 25 E. Washington St., Chicago, Ill.
- LIPPMAN, LEONARD BLACKLEDGE..1700 Pine St., Philadelphia, Pa.
- MOORE, PERCY WARREN(No address)
- RUSSELL, CHARLES (B.S.A., McGill Univ., Montreal, 1915),
3375 Glenwood Ave., Toledo, Ohio
- SCHOEPFERLE, RICHARD JOSEPHHamburg, N. Y.
- SECKEL, HERBERT WETHERILL...1242 E. 49th St., Cleveland, Ohio
- STOKES, FRANCIS COLLINS..500 Chester Ave., Moorestown, N. J.
- STOUT, JOHN AMOS (S.B., Indiana Univ., 1916).... Paoli, Ind.
- TAYLOR, ALBERT M.Athens Ave., Ardmore, Pa.
- TOMLINSON, THOMAS..805 E. Washington Lane, Germantown, Pa.

1915.

- ALLEN, PERCIVAL ROY, S.B.,
731 Rowe St., Newton 66, Auburndale, Mass.
- BAIRD, DONALD GALBRAITH, S.B.; A.M., 1916,
410 S. 15th St., Philadelphia, Pa.
- BOWMAN, EDGAR MILTON, A.B.; A.M., 1916.....Kinzers, Pa.
- BYE, EDGAR CHALFANT, A.B....129 Chester Ave., Coatesville, Pa.
- CAREY, GALLOWAY CHESTON, A.B.,
1004 Cathedral St., Baltimore, Md.
- COLEMAN, NELSON BADER, S.B....1318 Linden St., Scranton, Pa.
- CROSMAN, EDWARD NEWTON, JR., S.B.....Haverford, Pa.
- CROSMAN, LORING PICKERING, S.B.....Deering Junction, Me.
- DUNN, EMMETT REID, A.B.; A.M., 1916,
504 Duke St., Alexandria, Va.
- FALCONER, CYRUS, A.B.,
c/o Ross Brothers Seed Co., Wichita, Kan.
- FARR, EDWARD LINCOLN, JR., S.B.....Wenonah, N. J.
- GUMMERE, JOHN WESTCOTT, A.B. (Certificate of Graduation, Gen-
eral Theological Seminary, New York City, 1919),
17 E. Franklin St., Bound Brook, N. J.
- HALLETT, GEORGE HERVEY, JR., A.B. (A.M., Harvard, 1916; Ph.D.,
Univ. of Pa., 1918)Lansdowne, Pa.

- HARVEY, ANDREW, S.B.170 Dixon Ave., Paterson, N. J.
 HELVESTON, HAROLD WILLIAM, S.B.,
 5849 Belmar Terrace, Philadelphia, Pa.
 HOOPES, THOMAS, JR., S.B.,
 411 N. Franklin St., West Chester, Pa.
 HOWSON, HUBERT ABBE, S.B. .489 West End Ave., New York City
 LELAND, WILLIAM HENRY, S.B.,
 Bedford Y. M. C. A., Brooklyn, N. Y.
 LEVIS, EDWARD MEGARGE, A.B.,
 6624 McCallum St., Germantown, Pa.
 MCCrackEN, HARLAN LINNEUS, S.B.; A.M., 1916,
 Penn College, Oskaloosa, Iowa
 McNEILL, JOSEPH, A.B. (A.M., Princeton, 1917),
 225 W. Rittenhouse St., Germantown, Pa.
 MOORE, EDWIN LAWTON, JR., A.B.,
 7920 Forrest Ave., Highland Park, Pa.
 MORLEY, FELIX MUSKETT, A.B. .2032 Park Ave., Baltimore, Md.
 NITOBÉ, YOSHIO, A.B.,
 Kobinata Daimachi, 75 Ichome, Kioshawa, Tokyo, Japan
 PHARO, EUGENE MORRIS, S.B. .120 W. 2nd St., Moorestown, N. J.
 SHAFFER, ELMER LENTZ, S.B. (A.M., Princeton, 1919; Ph.D.,
 Princeton, 1920).....2137 N. 6th St., Philadelphia, Pa.
 TANG, MAN HOI, S.B.,
 Fook On Assurance & Godourn Co., Ltd.,
 51-B Kiangse Road, Shanghai, China
 TAYLOR, KEMPTON POTTER AIKEN, S.B. (M.D., Univ. of Pa., 1919).
 Highland Ave., Chestnut Hill, Pa.
 TURNER, CHARLES BRINKLEY, A.B.,
 1000 Stock Exchange Bldg., Philadelphia, Pa.
 VAIL, WALTER ELWOOD, S.B. (A.M., Harvard, 1917),
 Forest Hill, Md.
 VAN HOLLEN, DONALD BEAUCHAMP, A.B. (LL.B., 1919),
 1733 Bolton St., Baltimore, Md.
 VOTAW, ERNEST NICHOLSON, A.B. (LL.B., Univ. of Pa., 1918),
 20 Rigby Ave., Lansdowne, Pa.
 WAGNER, SAMUEL, JR., A.B., 1916...410 S. 15th St., Phila., Pa.
 WALN, YVO ORESTES, S.B.30 Townley St., Hartford, Conn.
 WEBSTER, WILLIAM DAMPIER, S.B.,
 c/o Y. M. C. A., Greensboro, N. C.
 WEIKEL, MALCOLM HUSTED, A.B.133 N. Front St., Phila., Pa.
 WHIPPLE, PAUL KIMBALL, A.B.; A.M., 1917,
 6214 Morton St., Germantown, Phila., Pa.

WHITE, WILLIAM ALPHEUS, JR., A.B.; A.M., 1917,
631 Trade St., Winston-Salem, N. C.

Non-Graduates.

BLAIR, JOHN INSLEY4611 Spruce St., Philadelphia, Pa.
DODGE, KARL.....McKean Ave., Germantown, Phila., Pa.
EGOLF, PAUL HEWLITT.....Box 701, Narberth, Pa.
HILL, GERALD FORD.....Los Angeles, Calif.
KALEEL, MOUSA JIRIUS.....27 Schermerhorn St., Brooklyn, N. Y.
KLING, EDWARD WILLIAM..E. Graver's Lane, Chestnut Hill, Pa.
LOCKE, LEROY DYER (S.B., Penna. State College, 1915; M.D.,
Univ. of Pa., 1920)....32 N. Allegheny St., Bellefonte, Pa.
MINOT, FRANCISMill Road, Falmouth, Mass.
NEWELL, CARL LESTER (D.O., 1919),
R. F. D. No. 4, Brunswick, Me.
SOWELL, GEORGE AUBREY (M.D., 1915),
Center Square, Greencastle, Pa.
THEIS, GROVER CLEVELANDGermania, Pa.
THOMAS, LEONARD VAN HOESEN,
114 Mondella Ave., Bryn Mawr, Pa.
TOTAH, SELIM (A.B., 1916)....153 Clinton St., Brooklyn, N. Y.
WATSON, EDGAR JORDAN 37 N. Cove Rd., Merchantville, N. J.

1916.

ALLEN, WILMAR MASON, A.B. (M.D., Johns Hopkins Univ., 1920),
R. F. D. No. 1, Upper Marlboro, Md.
BANGHAM, RALPH VANDERVORT, S.B.; A.M., 1917 (S.B., Wil-
mington College, 1915)..R. F. D. No. 1, Wilmington, Ohio
BRAY, WILLIAM MCKINLEY, A.B.....Valley Road, Devon, Pa.
BUFFUM, FREDERICK CYRUS, JR., S.B..66 Elm St., Westerly, L. I.
CAREY, JAMES, 3RD, A.B.....1004 Cathedral St., Baltimore, Md.
CARY, FRANK WING, S.B.....Dresher, Montgomery Co., Pa.
COOPER, JOSEPH ARTHUR, S.B.,
1316 E. Lincoln Highway, Coatesville, Pa.
CORSON, BOLTON LANGDON, S.B.....Plymouth Meeting, Pa.
DUNLAP, GEORGE ARTHUR, A.B....6621 N. 12th St., Phila., Pa.
ELLISON, JAMES SPRAGUE, JR., S.B....1629 Poplar St., Phila., Pa.
FARIES, WALTER REICHNER, A.B. (LL.B., Univ. of Pa., 1920),
Bala, Pa.
GARRIGUES, ALBERT GRAHAM, S.B.....Haverford, Pa.

- HANNUM, WILLIAM TOWNSEND, A.B.; A.M., 1917..Rosedale, Pa.
 HUNTER, PERRY ASHERIDGE, A.B.,
 1430 DeKalb St., Norristown, Pa.
 JOHNSON, HENRY ALDEN, A.B., Millbrook Ave., Bryn Mawr, Pa.
 KENDIG, RAYMOND CLARE, S.B., R. F. D. No. 5, Coatesville, Pa.
 KIRK, WILLIAM THOMPSON, 3RD, S.B.....Beverly, N. J.
 KUHN, JOHN, S.B.....427 W. Pittsburgh St., Greensburg, Pa.
 LEIDY, PHILIP LUDWELL, S.B.....257 S. 16th St., Philadelphia, Pa.
 LOVE, JOHN GRAY, JR., A.B.....3409 Chestnut St., Phila., Pa.
 LUKENS, EDWARD FELL, JR., A.B.,
 147 W. School Lane, Germantown, Pa.
 MARTWICK, WILLIAM LORIMER, S.B.,
 Penna. Crusher Co., Stephen Girard Bldg., Phila., Pa.
 MAXWELL, JOHN GORDON, S.B.,
 12 E. Cedar Ave., Merchantville, N. J.
 MENGERT, ULRIC JOHNSON, A.B. (A.M., Harvard, 1917),
 310 3rd St., S. E., Washington, D. C.
 MOON, EDWARD RANDOLPH, S.B.....Fallsington, Pa.
 OBERHOLTZER, CHARLES HERMAN, JR., S.B.....Mont Clare, Pa.
 SHARPLESS, FRANCIS PARVIN, A.B.,
 549 N. Walnut St., West Chester, Pa.
 SHIPLEY, JAMES EMLÉN, A.B.,
 Locust Ave., Germantown, Phila., Pa.
 STEERE, ISAAC THOMAS, S.B.Box 435 Haverford, Pa.
 STOKES JOSEPH, JR., A.B.....220 E. Main St., Moorestown, N. J.
 STONE, ALBERT HENDRIX, A.B.; A.M., 1919,
 c/o Kuling School, via Kinsiang, Kuling, China
 THIERS, FRANK HARRISON, S.B. (A.B., Friends' Univ., 1915),
 415 E. Central Ave., Wichita, Kan.
 WENDELL, DOUGLAS CARY, A.B....233 Walnut Ave., Wayne, Pa.
 WINSLOW, OLIVER PARRY, S.B. (B.S. in M.E., St. John's College,
 1915; B.S. in E.E., Johns Hopkins Univ., 1918),
 1900 Mt. Royal Terrace, Baltimore, Md.
 WOOD, JOSEPH DENSMORE, S.B.; A.M., 1917,
 417 Biddle Ave., Wilkinsburg, Pa.

Non-Graduates.

- BANES, CHARLES HENRY, 2ND,
 6422 Overbrook Ave., Overbrook, Pa.
 DOWNING, HENRY DRINKER, JR.....Box 52, Elsmere, Del.
 FARR, WALTER GREEN (S.B., Mass. Inst. of Tech., 1917; S.E.,
 Harvard, 1917)Wenonah, N. J.

- GOERKE, FRANCIS CHARLES (D.D.S., N. Y. College of Dentistry, 1918) 75 W. Jersey St., Elizabeth, N. J.
 HARVEY, DAVID MAITLAND 170 Dixon Ave., Paterson, N. J.
 HEATON, LAWRENCE GARDINER (A.B., Leland Stanford Univ., 1916) 351 Main St., Poughkeepsie, N. Y.
 KAMENS, JACK WELER 708 N. Franklin St., Philadelphia, Pa.
 KNIGHT, CLINTON PRESCOTT, JR.,
 c/o B. B. & R. Knight, Inc., Providence, R. I.
 LEES, ALFRED WHITAKER Palmyra, Mich.
 MARINE, JAMES SIDNEY 606 5th St., Brooklyn, N. Y.
 RUSHTON, KENNETH, JR. Wynnewood, Pa.
 VAN BUSKIRK, GEORGE (A.B., Univ. of Pa., 1916),
 University Club, Redlands, Calif.
 WOODBRIDGE, RAYMOND LESTER,
 171 Maplewood Ave., Germantown, Phila., Pa.

1917.

- AYUSAWA, IWAO FREDERICK, S.B. (A.M., Columbia, 1918; Ph.D., Columbia, 1920) 841 West End Ave., New York City
 BAILY, WILLIAM LLOYD, JR., S.B.,
 220 E. Lancaster Ave., Ardmore, Pa.
 BARKER, ALBERT WINSLOW, A.B. Moylan, Pa.
 BRODHEAD, HORACE BEALE, A.B. Parkesburg, Pa.
 BROWN, CHARLES FARWELL, A.B.,
 59 Addington Road, Brookline, Mass.
 BROWN, ERNEST LANCASTER, A.B.,
 615 Chester Ave., Moorestown, N. J.
 BUZBY, JOHN HOWARD, S.B. ... Hotel Dennis, Atlantic City, N. J.
 CHAMBERLIN, WILLIAM HENRY, A.B.,
 80 Grove St., New York City
 CHANDLER, GEORGE DONALD, S.B.,
 800 N. Broadway, Baltimore, Md.
 CLEMENT, DEWITT CROWELL, S.B.,
 c/o Brown Bros. & Co., 4th and Chestnut Sts., Phila., Pa.
 CROSMAN, WILLARD MARTIN RICE, S.B. Haverford, Pa.
 DAM, COLBY DORR, A.B. 148½ E. 40th St., New York City
 DAM, LORING, A.B. Garfield, N. J.
 FORSYTHE, JESSE GARRETT, A.B. R. F. D. No. 3, Media, Pa.
 GARDINER, WILLIAM JOHN, S.B.,
 130 E. Main St., Moorestown, N. J.

- GIBSON, ROBERT, A.B.....c/o The Autocar Co., Ardmore, Pa.
 GREENE, JOSEPH WARREN, JR., A.B.....Wickford, R. I.
 HAINES, ROBERT BOWNE, 3RD, A.B.,
 156 W. School Lane, Germantown, Pa.
 HALL, ALBERT WINTER, S.B.....3136 Ivison Ave., Berwyn, Ill.
 HOWLAND, WESTON, A.B....70 Borden St., New Bedford, Mass.
 JONES, HERBERT LAWRENCE, S.B.....Waterville, Me.
 KLOCK, HARVEY, A.B.....Herndon, Pa.
 LAVERTY, MARIS ALEXANDER, S.B.,
 2511 Bryn Mawr Ave., Bala, Pa.
 LAWSON, MENNIS, S.B.....Burke's Garden, Va.
 LITTLE, WILLIAM CLARK, A.B.,
 82 Maple Ave., New Rochelle, N. Y.
 LY, JUWAN USANG, S.B. (B.C.S., New York Univ., 1912; A.M.,
 Columbia, 1913; A.M., Univ. of Penna., 1919),
 Box 488, Hongkong, China
 MCKINSTRY, HUGH EXTON, S.B..140 Dean St., West Chester, Pa.
 MARSHALL, FRANKLIN OSBUN, S.B.; A.M., 1918,
 Vermilion Grove, Ill.
 METCALFE, ROBERT DAVIS, S.B....9 Wayne St., Worcester, Mass.
 MILLER, ROBERT BOYD, A.B.....278 Shady Ave., Pittsburgh, Pa.
 MITCHELL, KENNETH SYLVESTER, A.B. (A.B., Earlham, 1916),
 R. F. D. No. 1, Russiaville, Ind.
 MORRIS, FRED HELSABECK, A.B. (A.B., Guilford, 1916),
 R. F. D. No. 4, Kernersville, N. C.
 PAINTER, DONALD HINSHAW, A.B..318 Grand Ave., Dayton, Ohio
 PRICE, EDMUND TABER, S.B.....Park Ave., Bronxville, N. Y.
 RAMSEY, LAWRENCE MARSHALL, A.B.....Sterling, Kan.
 SANGREE, CARL MICHAEL, A.B. (Diploma of Pastoral Theology,
 1920).....42 Mansion Ave., Haddonfield, N. J.
 SCHOCH, WENDELL DERINGER, A.B.,
 321 Midland Ave., St. Davids, Pa.
 SCHOEPFERLE, HUBERT VINZENS, A.B.,
 12 Spring St., Oil City, Pa.
 SNADER, EDWARD ROLAND, JR., S.B.,
 c/o Hahnemann Medical College, 220 N. Broad St., Phila., Pa.
 SPAETH, JOHN WILLIAM, JR., A.B. (A.M., Harvard, 1918),
 53 N. Paxson St., Philadelphia, Pa.
 SPELLISSY, ARTHUR EMERSON, A.B.,
 120 W. Mt. Airy Ave., Germantown, Pa.
 STRAWBRIDGE, JUSTUS CLAYTON, 2ND, A.B.,
 309 Beacom Lane, Merion, Pa.

WESTON, EDWARD MITCHELL, A.B....3708 Baring St., Phila., Pa.
WHITSON, THOMAS BARCLAY, S.B.....Moylan, Pa.
WILSON, JAMES GORDON, S.B.,
309 S. Narberth Ave., Narberth, Pa.
YORK, HAROLD QUIMBY, A.B.....Unadilla, N. Y.

Non-Graduates.

BACON, LOUIS ST. JOHN....4938 Walton Ave., Philadelphia, Pa.
BANKS, ROBERT PARKERMifflintown, Pa.
BURKET, JOHN WARREN.....1226 Clayton St., Denver, Colo.
DARLINGTON, WILLIAM MARSHALL.....West Chester, Pa.
HILL, HENRY WHITMORE. 2434 Pillsbury Ave., Minneapolis, Minn.
HOWEY, LOYAL GREEN1701 East St., Lincoln, Neb.
INMAN, ARTHUR CREW.....Ponce de Leon Apts., Atlanta, Ga.
LAWRENCE, EDWIN FIELD, JR. (A.B., Stanford, 1917),
705 W. 3rd St., Sterling, Ill.
LESTER, EDWARD ROWNTREEMesilla Park, N. M.
MENDES, JOAS SILVA(No address)
MOORE, GILBERT HENRY (A.B., Stetson Univ., Deland, Fla., 1917),
R. F. D. No. 3, Box 394, West Chester, Pa.
MURRAY, FRANCIS KING (A.B., Stanford Univ., 1917),
c/o Thomas & Co., 410-424 Willoughby Ave., Brooklyn, N. Y.
NAPIER, ARTHUR HOWELL,
503 E. Willow Grove Ave., Chestnut Hill, Pa.
PAXSON, NEWLIN FELL (M.D., Hahnemann Med. College, 1919),
2414 Bryn Mawr Ave., Philadelphia, Pa.
PENNEY, HUMPHREY LINTHORNE (B.Sc., Manchester Univ., Eng-
land, 1920),
3 Barnsbury Park, Islington, London, N. 1, England
SANDERSON, GEORGE328 Glover St., Woodbury, N. J.
WELLER, HENRY SEYMOUR...14 Waverly Place, Milwaukee, Wis.
WILSON, FRANCIS STIRLING(No address)
ZEREGA, JOHN WHITMAN 447 W. 7th St., Plainfield, N. J.

1918.

ARNOLD, HARRISON HEIKES, A.B. (A.M., Harvard, 1919),
R. D. No. 1, Dillsburg, Pa.
BARRIE, ROBERT, JR., S.B. Rose Lane, Haverford, Pa.
BEESON, JOHN HENRY, A.B. (A.B., Guilford College, 1917),
748 Oak St., Winston-Salem, N. C.

- BUZBY, GEORGE HAINES, S.B. (1919),
Hotel Dennis, Atlantic City, N. J.
- CARR, HERBERT JOSEPH, S.B.....Harveysburg, Ohio
- CLEVELAND, ARTHUR HORTON, JR., A.B.....Chadds Ford, Pa.
- COOPER, BENNETT SMEDLEY, S.B.....Moorestown, N. J.
- CROSMAN, JOHN MARSHALL, S.B (1920).....Haverford, Pa.
- DEACON, FRANK, S.B.....McKean Ave., Germantown, Pa.
- DEWEES, ALFRED HENRY, S.B..4740 Hazel Ave., Philadelphia, Pa.
- FITTS, DWIGHT ROBERT, S.B....407 W. 8th St., Kansas City, Mo.
- GILMOUR, NEIL, A.B.....21 Greenfield Ave., Ardmore, Pa.
- GREER, ROBERT BRATTON, A.B. (1920),
"Dundee," Johnstown, Pa.
- HALLETT, HENRY McLELLAN, 2ND, A.B. (1920),
199 Owen Ave., Lansdowne, Pa.
- HAYMAN, JOSEPH MARCHANT, JR., A.B.,
8030 St. Martin's Lane, Chestnut Hill, Pa.
- HYNSON, MATTHEW MANLOVE, S.B.,
c/o The Biddle Press, 210 S. 7th St., Phila., Pa.
- LESTER, EVAN JONES, JR., A.B.,
c/o United Gas Improvement Co., 1401 Arch St., Phila., Pa.
- LONG, CHARLES-FRANCIS, A.B.,
33 S. Washington St., Wilkes-Barre, Pa.
- MOORE, WILLARD BROWN, A.B. (1920),
206 E. Washington Ave., DuBois, Pa.
- MUSSETTER, WILLIAM, S.B.Wilmington, Ohio
- NEVIN, WALTER SCOTT, A.B....5924 Spruce St., Philadelphia, Pa.
- PAINTER, HERBERT JOSEPH, A.B.,
21 N. Wyoming Ave., Ardmore, Pa.
- PORTER, EDWARD ARTHUR GRIBBON, S.B. (1919),
Moylan, Rose Valley, Pa.
- SCHENCK, HENRY PAUL, S.B..5335 Locust St., Philadelphia, Pa.
- STANLEY, JESSE BETTS, A.B. (1919) (A.B., Guilford College,
1917)Guilford College, N. C.
- TATUM, OLIVER PARRY, S.B. (1920)..6 Park Road, Llanerch, Pa.
- THACHER, JOHN WILKINS, S.B. (1920),
2008 Chestnut St., Philadelphia, Pa.
- THORNTON, PERCY STOKES, S.B. (1920),
115 Bloomingdale Ave., Wayne, Pa.
- THORPE, EDWARD SHEPPARD, JR. S.B....Box 362, Haverford, Pa.
- TOMLINSON, ALBERT HIBBS, S.B.,
200 S. Chester Road, Swarthmore, Pa.
- TOWNSEND, ALFRED JAMES, A.B.; A.M., 1919,
Gilman Country School, Roland Park, Md.

WEBB, KENNETH WALDIE, A.B.,
332 W. Seymour St., Germantown, Pa.

Non-Graduates.

ALEXANDER, JOHN WILLIAM..3273 Sansom St., Philadelphia, Pa.
BELL, HERBERT HALLOCKMilton, N. Y.
COLEMAN, HENRY FREDERICK, Jr.,

5203 N. 15th St., Logan, Pa.

CURTIS, STEPHEN.....2611 W. 16th St., Wilmington, Del.
GILLESPIE, ABRAHAM LINCOLN, Jr.,

332 Manheim St., Germantown, Pa

GOLTMAN, ALFRED MEYER.....139 W. 73rd St., New York City

HARDING, WILLIAM HOVER.....4842 Kenwood Ave., Chicago, Ill.

HARTMAN, LEWIS EVANS.....442 N. Duke St., Lancaster, Pa.

HISEY, JOHN ALLAN3807 Chestnut St., Philadelphia, Pa.

KEAY, LOUIS KENTClifton Heights, Pa.

KENDALL, JOHN WILEY "The Highlands," Washington, D. C.

KOONS, HENRY WEBSTER.....4707 Cedar Ave., Philadelphia, Pa.

LeCLERCQ, JACK GEORGE SCHUMAN,

2428 Bancroft Way, Berkeley, Calif.

LOVELL, GEORGE WILLARDCrowley, La.

LUSSON, LOUIS CAMILLE OLRV,

32 E. Montgomery Ave., Ardmore, Pa.

MOORE, ROBERT WHITCOMB,

618½ E. Adams St., Los Angeles, Calif.

PORCH, WILLARD RALPH.....709 Napoleon St., Johnstown, Pa.

REEVE, AUGUSTUS HENRY, Jr.,

7777 Cresheim Road, St. Martin's, Pa.

SHARP, JOSEPH WEBSTER, 3RDBerwyn, Pa.

SHIPLEY, MORRIS SHOTWELL, JR....Walnut Lane, Haverford, Pa.

STIEF, DAVID RALSTON.....4517 N. 13th St., Philadelphia, Pa.

TABER, JOHN CLARKSON.....140 Monroe St., Brooklyn, N. Y.

WRIGHT, WILLIAM JENKS.....Chestnut Ave., Chestnut Hill, Pa.

1919.

BATTEY, RICHARD THOMPSON, S.B.,

284 Lloyd Ave., Providence, R. I.

BROCKELBANK, WILLIAM JOHN, A.B. (1920),

Newmarket, Ontario, Canada

CORSON, PHILIP LANGDON, A.B.....Plymouth Meeting, Pa.

- EARNEST, FRANKLIN MCCREARY, A.B. (1920)...Mifflinburg, Pa.
 GRAVES, EDGAR BALDWIN, A.B.,
 2304 Madison Square, Philadelphia, Pa.
 HAINES, HARTLEY STOKES, S.B.,
 566 Columbia Ave., Millville, N. J.
 HARTSHORN, GORDON BIRDSALL, A.B. (1920).....Walden, N. Y.
 HASTINGS, WILLIAM FAIRBANK, S.B. (1920).....Prescott, Mass.
 HAYNES, JOHN SHIELDS, S.B. (1920),
 321 Kent Road, Cynwyd, Pa.
 MCCONNELL, THOMAS, 3RD, A.B., 437 Righter St., Philadelphia, Pa.
 OLIVER, ALAN DOUGLAS, S.B. (1920),
 15 Prospect Ave., Moorestown, N. J.
 OSLER, CHESTER ARTHUR, A.B. (1920),
 49 S. Union Ave., Pensauken, N. J.
 PHILIPS, JESSE EVAN, A.B.....Wayne, Pa.
 STUBBS, THOMAS HODGSON, S.B.; A.M., 1920,
 West Chester, Pa.
 SUTTON, CHESTER MCKINLEY, A.B.....Summerfield, N. C.
 THORPE, ELMER HANCOCK, S.B.,
 417 Lancaster Ave., Haverford, Pa.

Non-Graduates.

- ALDEN, HOLLIS EMERY.....55 Pleasant St., Bridgewater, Mass.
 BALDERSTON, RICHARD MEADColora, Md.
 BARLOW, JOHN DENMAN,
 Torkington Lodge, Hazel Grove, Cheshire, Eng.
 BAYLISS, RALPH BRADFORD..170 Prospect Place, Brooklyn, N. Y.
 BECHTEL, JESSE BERTOLET.....1820 Mt. Vernon St., Phila., Pa.
 CALLENDER, GORDON SAMUEL.....414 Quincy Ave., Scranton, Pa.
 CHAPMAN, SAMUEL HUDSON (A.B., Univ. of Penna., 1920),
 1128 Spruce St., Philadelphia, Pa.
 COLLINS, FREDERIC, 3RDGwynedd Valley, Pa.
 DAY, GRAFTON BUCKINGHAM,
 659 Haddon Ave., Collingswood, N. J.
 DUNN, THOMAS PHILIPS (S.B., Univ. of Chicago, 1919),
 406 Masonic Temple, Erie, Pa.
 GOODHUE, FRANCIS, 3RD639 Church Lane, Germantown, Pa.
 GRIFFITH, ROY THURLBY.....200 Sabine Ave., Narberth, Pa.
 HALL, ARTHUR DILLWYN..120 Harvard Ave., Collingswood, N. J.
 HARTSHORNE, CHARLES.....121 Church St., Phoenixville, Pa.
 HATHAWAY, NATHANIEL, JR....New Suffolk, Long Island, N. Y.

- 1920.

- BRECHT, HAROLD WALTON, A.B.,
205 E. McKinley Ave., Lansdowne, Pa.
BURRITT, ROBERT WILLIAM, A.B.,
64th and Malvern Ave., Overbrook, Pa.
COLLINS, BENJAMIN, JR., S.B. Purchase, N. Y.
ELDER, LUCIUS WILLIAMS, A.B. Wayne, Pa.
FITTS, RUSSELL, S.B. 3319 Paseo, Kansas City, Mo.
GUCKER, FRANK THOMSON, JR., A.B.,
3420 Hamilton St., Phila., Pa.
HARRIS, PIERSON PENROSE, A.B.,
6391 Sherwood Road, Overbrook, Pa.

- HOAG, GILBERT THOMAS, A.B.....Haverford, Pa.
 KAMSLER, MILTON ADOLPH, A.B.,
 2352 N. Park Ave., Philadelphia, Pa.
 KEARNEY, THOMAS HENRY, S.B.....Edgemont, Pa.
 KING, JOSEPH BERNARD, Jr., S.B.,
 7315 Boyer St., Mt. Airy, Pa.
 KNOWLTON, ALFRED DOUGLAS, S.B.....Haverford, Pa.
 LEUBA, CLARENCE JAMES, S.B.....Bryn Mawr, Pa.
 LYCETT, ISAAC CATE, S.B.,
 Gorsuch Ave., Abbottston, Baltimore, Md.
 MORRIS, THOMAS EDWARD, A.B.,
 129 Franklin Ave., Cheltenham, Pa.
 MULLIN, JAMES TORBERT, A.B.....Pinecrest, West Chester, Pa.
 OLIVER, KENNETH STUART, A.B.,
 15 Prospect Ave., Moorestown, N. J.
 PETRY, ROBERT LOWELL, S.B.....New Paris, Ohio
 REESE, JOHN DAVIES, S.B.,
 619 N. Hyde Park Ave., Scranton, Pa.
 SILVER, FRANCIS STOKES, S.B.Aberdeen, Md.
 SMITH, ROBERT BUOY, A.B.....Holidaysburg, Pa.
 SUTTON, JAMES EDWARD, S.B..1547 Clarkson St., Denver, Colo.
 TOOGOOD, GRANVILLE ERNEST, A.B..Cresheim Arms, Mt. Airy, Pa.
 UFFORD, CHARLES WILBUR, A.B..400 W. 118th St., New York City
 VAN SICKLE, SCHUYLER CURTIS, S.B.,
 16 Buckingham St., Springfield, Mass.
 WHITE, JOSEPH DIXON, S.B.....Guilford College, N. C.
 WILLIAMS, JOHN STEELE, A.B.....7127 Chew St., Phila., Pa.
 ZOOK, ALLAN, S.B.....Woodland Ave., Malvern, Pa.

Non-Graduates.

- BRODHEAD, TRUXTUN READParkesburg, Pa.
 BUNTING, STEPHEN CLARENCE (A.B. in E.E., Swarthmore, 1920),
 406 Darby Road, Llanerch, Pa.
 CAMPBELL, FRANK LESLIE3710 Baring St., Philadelphia, Pa.
 CARUS, HERMANN DIETRICH.....1307 7th St., LaSalle, Ill.
 COCHRAN, JERROLD SCUDDER..180 Midland Ave., Montclair, N. J.
 CROWTHER, PAUL CARR.....331 E. 20th St., Chester, Pa.
 ELKINTON, HENRY T.....926 Arlington Ave., Berkeley, Calif.
 FLANDERS, DONALD ALEXANDER...31 Orchard St., Springfield, Vt.
 GECKELER, EDWIN OSCAR,
 1305 Cheltenham Ave., Oak Lane, Phila., Pa.

- GOTO ICHIZO(No address)
 HARTMAN, HARRY CALVIN.....Waynesboro, Pa.
 HAWORTH, ELWOOD BATES, JR...145 N. Craig St., Pittsburgh, Pa.
 HILL, HORACE PRENTICE...415 Oak Grove St., Minneapolis, Minn.
 HOWARD, PHILIP EUGENE, JR....221 Park Ave., Swarthmore, Pa.
 KIMBER, THOMAS.....847 N. Mariposa St., Los Angeles, Calif.
 LOBAUGH, EDWARD HAROLD.....Connoquenessing, Pa.
 MAURY, JOHN M., JR.....567 E. Parkway, Memphis, Tenn.
 MILLER, ELMER CLARENCE, JR.,
 12th St. and Valley Rd., Oak Lane, Pa.
 MILNE, NORMAN FORBES,
 School House Lane, Germantown, Phila., Pa.
 MORRIS, HENRY HAYLES (A.B., Johns Hopkins, 1920),
 1904 Mt. Royal Terrace, Baltimore, Md.
 PHELPS, CHARLES EDWARD.....627 W. 115th St., New York City
 PORTER, ROBERT RUSSELL.....102 W. 80th St., New York City
 PRICE, FERRIS LEGGETT.....905 S. 47th St., Philadelphia, Pa.
 ROBINSON, ABRAHAM PENROSE.....College Ave., Haverford, Pa.
 ROLLINS, CARROLL JOSEPH.....Highland Ave., Winthrop, Maine
 SMITH, EDWARD LINCOLN, JR.....Hatboro, Pa.
 SMITH, JOSEPH HOPKINSON.....(No address)
 SPENCER, HORACE FISH.....88 Lafayette Ave., Passaic, N. J.
 TATNALL, HENRY RUMSEY...902 Delaware Ave., Wilmington, Del.
 THORPE, CLINTON CLEMENT HANCOCK,
 417 W. Lancaster Ave., Haverford, Pa.
 WILCOX, WILLIAM W., JR...609 Monroe Ave., Asbury Park, N. J.
 WORRELL, GRANVILLE, 2D...36 E. Montgomery Ave., Ardmore, Pa.

*Graduates of Other Colleges
 who have been
 Graduate Students at Haverford.*

1885.

- CONABLE, MORRIS R. (B.C.E.).....(No address)
 MORGAN, WILLIAM EARL (A.B., 1880, and A.M., 1883, Penn Col-
 lege)Room 6, Citizens' Bank Bldg., Hutchinson, Kan.

1886.

- LUCAS, CLINTON W. (A.B.).....(No address)

1890.

- PRITCHARD, CHARLES EDGAR, A.M., 1890 (A.B., Earlham College, 1889).....N. Main St., Georgetown, Ill.
- ROGERS, ROBERT WILLIAM, Ph.D., 1890 (A.B., Univ. of Pa., 1886; A.B., Johns Hopkins, 1887; Ph.D., Leipzig, 1895; D.D., Wesleyan, 1893; LL.D., Baker Univ., and Nebraska Wesleyan Univ., 1899; Litt.D., Dickinson, 1908, and Univ. of Dublin, 1913).....Drew Theological Seminary, Madison, N. J.
- SAYRS, WILLIAM CHRISTOPHER, A.M., 1890 (A.B., Wilmington College, 1889).....3701 Grovedale Place, Cincinnati, Ohio
- THURBER, CHARLES HERBERT, A.M., 1890 (Ph.B., Cornell, 1886; Ph.D., Clark Univ., 1900),

Edgell Rd., Framingham Centre, Mass.

1891.

- HILL, MYRON FRANCIS, A.M., 1891 (A.B., Harvard, 1890),
43 W. 9th St., New York City
- ROBINSON, LUCIAN MOORE, A.M., 1891 (A.B., Harvard, 1882),
901 Clinton St., Philadelphia, Pa.

1892.

- GIFFORD, ELMER H., A.M., 1892 (S.B., Penn College, 1888),
365 N. Mirage St., Lindsay, Calif.
- HUBBARD, BYRON CHARLES, A.M., 1892 (S.B., Earlham College, 1891).....1601 Western Ave., Los Angeles, Calif.

1893.

- HUNT, WILSON ALLEN (S.B., Wilmington College, Ohio, 1892),
Gravette, Ark.
- JOHNSON, IRVING CULVER, A.M., 1893 (A.B., Penn College, 1892),
713 High Ave., E. Oskaloosa, Ia.
- VAN NOPPEN, LEONARD CHARLES, A.M., 1893 (A.B., Guilford, 1890; B.L., Univ. of N. C., 1892),
"Villa Angele," 40, Boulevard de la Republique,
Beau Soliel, France

1894.

- DAKIN, FRANKLIN ARTHUR, A.M., 1894 (A.B., Harvard, 1882),
Haverford School, Haverford, Pa.

HAVERFORD COLLEGE

77

- SPAUD, ARTHUR RUSMISSELLE, A.M., 1894 (A.B., Wilmington College, 1893).....Cecil and Bradford Sts., Dover, Del.
 WILSON, EDWIN MOOD, A.M., 1894 (A.B., Guilford Coll., 1892; Univ. of N. C., 1893)....Haverford School, Haverford, Pa.

1895.

- KEMBLE, IRA OSCAR, JR., A.M., 1895 (S.B., Penn College, 1894),
 533 N. 3d St., Marshallton, Ia.
 VILLARS, JOHN OSCAR, A.M., 1895 (S.B., Wilmington College, Ohio, 1894).....Wilmington, Ohio

1896.

- BABBITT, JAMES ADDISON, A.M., 1896 (A.B., Yale, 1893; M.D., Univ. of Pa., 1898).....Haverford College, Haverford, Pa.
 CHARLES, ARTHUR MATTHEW, A.M., 1896 (S.B., Earlham College, 1894).....Earlham College, Richmond, Ind.
 HASTINGS, WILLIAM WALTER, A.M., 1894; Ph.D., 1896 (A.B., Maryville, 1886; A.M., 1892).....Prescott, Mass.
 HUNT, LUTHER MILTON, A.M., 1896 (S.B., Wilmington College, 1895).....5 W. Colorado Ave., Colorado Springs, Colo.
 OWEN, HORACE THORNBURG, A.M., 1896 (A.B., Hamilton College, 1895).....331 Centre St., Trenton, N. J.
 PATTERSON, CLEMENT FINNEY, A.M., 1896 (Ph.B., Penn College, 1895).....1465 W. 9th St., Riverside, Calif.

1897.

- BEAL, WILLIAM OTIS, A.M., 1897 (S.B., Earlham College, 1896; M.S., Chicago, 1902),
 University of Minnesota, Minneapolis, Minn.
 ELSE, FRANK WHITTIER, A.M., 1897 (A.B., Penn College, 1896),
 915 N. Market St., Oskaloosa, Ia.
 TERRELL, PAUL TASSO, A.M., 1897 (S.B., Wilmington College, Ohio, 1896).....New Vienna, Ohio

1900.

- LOUD, FRANK HERBERT, Ph.D., 1900 (A.B., 1873; A.M., 1873, Amherst; A.M., Harvard, 1899),
 P.O. Box 1203, Colorado Springs, Colo.

1904.

ARISHIMA, TAKEO, A.M., 1904 (A.B., Agricultural College of Sapporo, Japan, 1903),

Tohoka Imperial University, Sapporo, Japan

MCGREW, HENRY EDWIN, A.M., 1904 (S.B. and S.M., Penn College, 1895 and 1899; D.D., 1918),

Penn College, Oskaloosa, Iowa

1905.

TRUEBLOOD, RALPH WALDO, A.M., 1905 (S.B., Earlham),

Care Los Angeles Times, Los Angeles, Calif.

1906.

LAUGHLIN, SCEVA BRIGHT, A.M., 1906 (A.B. and A.M., Penn College, 1905).....College Hill, Canton, Mo.

1911.

DIXON, ALFRED ALEXANDER, A.M., 1911 (S.B., Guilford),

R. F. D. No. 3, Liberty, N. C.

HOBBS, LOUIS LYNDON, JR. (A.B., Guilford, 1910),

Guilford College, N. C.

TEBBETTS, J. WALTER, A.M., 1911 (S.B., Earlham),

91 Jefferson Ave., Maplewood, N. J.

1916.

HENLEY, FRED MURDOCH, A.M. (S.B., Guilford)

924 Webb Ave., Burlington, N. C.

1917.

WEBB, JOHN RICHARD, A.M. (A.B., Queen's Univ., 1910).

111 S. 11th St., Richmond, Indiana

Recipients of Honorary Degrees.

1883.

WOOD, JAMES, A.M.....Mt. Kisco, N. Y.

1885.

CHASE, ROBERT HOWLAND, A.M.,
Friends' Asylum, Frankford, Phila., Pa.

1890.

MILLS, JOSEPH JOHN, LL.D. Whittier, Calif.

1900.

HARRIS, J. RENDEL, LL.D.,
54 Wood Rd., Whalley Range, Manchester, England

1908.

TYSON, JAMES, LL.D. (LL.D., Univ. of Pa., 1912),
1506 Spruce St., Philadelphia, Pa.
STARR, LOUIS, LL.D., 1818 Rittenhouse Square, Philadelphia, Pa.
HOBBS, LEWIS LYNDON, LL.D. Guilford College, N. C.
RICHARDS, THEODORE WILLIAM, LL.D.,
Harvard University, Cambridge, Mass.

HAVERFORD COLLEGE

CLASS SECRETARIES AS OF 1920

1885	Charles W. Baily	Strafford, Pa.
1887	Hugh Lesley, 155 W. Washington Lane,	Germantown, Pa.
1888	Joseph W. Sharp, Jr.	Berwyn, Pa.
1889	Dr. William R. Dunton, Jr.	Towson, Md.
1890	Edward R. Longstreth	Moylan, Pa.
1891	George Thomas, 3rd	Whitford, Pa.
1892	Benjamin Cadbury	1136 Ridge Ave., Philadelphia
1893	Clarence G. Hoag	Haverford, Pa.
1894	Oscar M. Chase	Haverford College, Haverford, Pa.
1895	J. Linton Engle	1313 Cherry St., Philadelphia
1896	John A. Lester	Hill School, Pottstown, Pa.
1897	Benjamin R. Hoffman, 60th St. and Cobb's Creek Parkway,	Philadelphia
1898	Walter C. Janney	Bryn Mawr, Pa.
1899	Benjamin S. DeCou	Moorestown, N. J.
1900	John E. Lloyd..	300 Commercial Trust Bldg., Philadelphia
1901	John W. Cadbury, Jr. ...	409 Chestnut St., Philadelphia
1902	George H. Thomas	Millville, N. J.
1903	Henry J. Cadbury..	1075 Mass. Ave., Cambridge, Mass.
1904	Edgar T. Snipes	505 Chestnut St., Philadelphia
1905	Edwards F. Winslow	Bryn Mawr, Pa.
1906	William H. Haines, Jr. ...	1136 Ridge Ave., Philadelphia
1907	Paul W. Brown	305 Land Title Bldg., Philadelphia
1908	Howard Burt..	1011 Commonwealth Bldg., Philadelphia
1909	Thomas K. Sharpless	Bourse Bldg., Philadelphia
1910	E. Page Allinson	West Chester, Pa.
1911	John S. Bradway	Haverford, Pa.
1912	Thomas E. Shipley	Morris Bldg., Philadelphia
1913	Joseph Tatnall, 329 Cypress Ave.,	Woodlynne, Camden, N. J.
1914	Dr. Herbert W. Taylor	Haverford, Pa.
1915	Paul K. Whipple	6214 Morton St., Germantown, Pa.
1916	Edward F. Lukens, 47 Davies Ave.,	Toronto, Canada. (George A. Dunlap, Acting Secy., Oak Lane, Phila.)
1917	John W. Spaeth, Jr.	Hill School, Pottstown, Pa.
1918	Kenneth W. Webb, 332 W. Seymour St.,	Germantown, Pa.
1919	Edgar B. Graves	2304 Madison Sq., Philadelphia
1920	John S. Williams	7126 Chew St., Philadelphia

THE THOMAS WISTAR BROWN GRADUATE SCHOOL

1918.

- DANN, ROBERT HORNIMAN, A.M. (A.B., Pacific College, 1917),
50 Chatham St., East Lynn, Mass.
GIFFORD, ELEANOR MAY, A.M. (A.B., Mt. Holyoke, 1915),
South Westport, Mass.
MARSHALL, FRANKLIN OSBUN, A.M. (S.B., Penn College, 1916;
Haverford, 1917)Vermilion Grove, Ill.

1919.

- MARSHALL, EVA RAE, A.M. (A.B., Penn College, 1918),
Wessington Springs, S. D.
MICHENER, GRACE ELLEN, A.M. (A.B., Penn College, 1918),
Truro, Iowa
RATLIFF, ALICE, A.M. (A.B., Earlham, 1915)

1920.

- BAKER, MARGARET ELIZABETH, A.M. (A.B., Juniata College, 1915).
Everett, Pa.
COBLE, LOUELLA RUTH, A.M. (A.B., Guilford, 1917),
Guilford College, N. C.
KISSICK, WILLIAM PERRY, A.M. (A.B., Penn College, 1918),
Oskaloosa, Iowa
LASSITER, MAUDE ELIZABETH, A.M. (A.B., Guilford, 1917),
Mechanic, N. C.
WAGER, PAUL WOODFORD, A.M. (S.B., Hobart, 1917). Hector, N. Y.
WHITE, MILDRED ESTHER, A.M. (A.B., Earlham, 1918),
Straughn, Indiana
WICKERSHAM, EVANGELINE BELLE, A.M. (Ph.B., Penn College,
1915)Oskaloosa, Iowa

Complete Alphabetical Index with Class References

The years in which Graduate Students received advanced degrees are enclosed in parentheses. The names of recipients of honorary degrees are printed in italics. * indicates deceased.

For the Thomas Wistar Brown Graduate School, see page 81.

For Class Secretaries, see page 80.

Name	Class
*Abbott, Charles Tucker.....	Ex—1868
*Acton, Thomas Wistar.....	Ex—1858
Adams, Douglas Howe.....	1896
*Adams, Jedediah Howe.....	1887
*Adams, Justus C.....	Ex—1843
*Adams, Samuel F.....	Ex—1845
Alden, Hollis Emery	1919
*Alderson, William Charles.....	Ex—1858
*Aldrich, Joseph W.....	Ex—1843
* <i>Aldrich, Joseph W</i>	(1859)
Alexander, Charles Allison.....	1905
Alexander, John William.....	1918
*Alger, Harry	1891
Allen, Charles Francis.....	1901
Allen, Charles Jackson.....	1900
Allen, George Raymond.....	1896
*Allen, Gideon, Jr.....	Ex—1854
Allen, John Henry	1884
*Allen, Marmaduke Watson.....	Ex—1840
Allen, Percival Roy.....	1915
Allen, William Williams, Jr.....	1900
Allen, Wilmar Mason.....	1916
Allinson, Edward Page.....	1910
*Allinson, Edward Pease	1874
Allinson, Francis Greenleaf.....	1876
* <i>Alsop, Samuel, Jr</i>	(1875)
Alsop, William Kite.....	1896
Anderson, Isaac W.....	1877
Andrew, Adelbert Owen.....	1903
Andrew, Fred Van Winkle.....	1904
Angell, Edward Mott.....	1890
*Angell, Franklin	1864
Arishima, Takeo	(1904)
Arnold, Harrison Heikes.....	1918
*Arnold, William Dennis.....	Ex—1842
Arthur, Frederick, Jr.....	1854
*Ashbridge, Abraham Sharpless.....	Ex—1842
Ashbridge, George	1867

Name	Class
*Ashbridge, John	1867
Ashbridge, Richard	1872
*Ashbridge, William	1864
Ashbrook, James	1911
*Atwater, Joseph Hoag.....	Ex—1851
Auchincloss, James Stuart.....	1890
Audenreid, William Grattan.....	1890
Ayer, Nathaniel Davis	1910
Ayusawa, Iwao	1917
Babb, Maurice Jefferis.....	1905
Babbitt, Harold French.....	1901
Babbitt, James Addison.....	(1896)
Bachman, Frank Eshleman.....	1880
*Bacon, George Warder.....	Ex—1864
*Bacon, John	Ex—1887
*Bacon, Joseph Kirkbride.....	Ex—1843
Bacon, Louis St. John.....	1917
*Bacon, Morris	Ex—1859
*Bailey, Joseph Lukens.....	1851
Bailey, Leslie Adelbert.....	1893
Baily, Albert Lang.....	1878
Baily, Albert Lang, Jr.....	1912
*Baily, Arthur Hallam.....	1887
Baily, Charles Winter.....	1885
Baily, Fisher Corlies.....	1908
Baily, Frederick Lang.....	1877
Baily, Henry	1878
Baily, Henry Paul.....	1890
Baily, Joshua Longstreth, Jr.....	1912
* (?) Baily, Thomas Chalkley James	Ex—1855
*Baily, Thomas Loyd.....	Ex—1840
Baily, William Lloyd.....	1883
Baily, William Lloyd, Jr.....	1917
Bainbridge, Edmund Fletcher.....	1906
Baird, Donald Galbraith.....	1915
*Baker, Isaac S.....	Ex—1837
Baker, Paul Gay.....	1913
Baker, Philip J.....	1910
Balderston, Henry Lloyd.....	1902
*Balderston, Lloyd	Ex—1839
Balderston, Mark	1912
Balderston, Richard Mead.....	1919
Baldwin, Donald Cornog	1906
Bales, Thomas Menroy.....	1905
Baltz, William Sagehorn.....	1901
Banes, Charles Henry, 2d.....	1916
Banes, Robert Coleman.....	1889
Bangham, Ralph Vandervort	1916

Name	Class
Bangs, William	1874
Bankard, Clarence Walton.....	1901
Banks, Robert Parker.....	1917
Barclay, Joseph John.....	1902
*Bard, George Smith.....	1909
Barker, Albert Winslow	1917
*Barker, Benjamin	Ex—1840
Barlow, John Denman	1919
*Barnes, Jonathan B.....	Ex—1836
*Barney, William Henry.....	Ex—1864
Barns, Jesse Battey.....	1897
*Barr, Ernest Kirby.....	Ex—1887
Barr, Franklin Elverson.....	1903
Barr, Karl Jackson.....	1907
Barrett, Lawrence Haney.....	1910
Barrie, Robert, Jr.....	1918
*Barrow, Henry Haydock, Jr.	Ex—1848
Bartlett, Jarvis Henry.....	1884
Barton, George Aaron	1882
*Bateman, Edwin Brooke.....	1903
Bates, Orrin William.....	1884
Battey, Charles Heaton.....	1888
Battey, Richard Thompson.....	1919
Battey, Thomas Jesse.....	1863
Battey, William Aldrich.....	1899
Bausman, Thomas Franklin.....	1905
Bawden, William John.....	1899
Baylis, Harry Milton.....	1903
Bayliss, Ralph Bradford.....	1919
Beadenkopf, Clarence Milton.....	1899
Beal, William Otis.....	(1897)
Beale, Horace Alexander, Jr.....	1894
*Beatty, H. J.....	Ex—1867
Beatty, Joseph Moorhead, Jr.....	1913
Bechtel, Harry Oliver.....	1893
Bechtel, Jesse Bertolet.....	1919
*Beck, Charles Bayard.....	Ex—1867
Bedell, Charles Hampton.....	1887
Beebe, Stacey Kyle.....	1912
*Beesley, Bartholomew Wistar.....	1856
*Beesley, Theophilus	Ex—1848
Beeson, John Henry	1918
*(?) Beezley, James	Ex—1879
Beidelman, Lawrence Peterson.....	1888
Beidelman, Prescott Burton.....	1897
*Bell, Charles Dutilh.....	Ex—1877
Bell, Charles Herbert.....	1898
Bell, Henry Ernest	1914
Bell, Herbert Hallock.....	1918

Name	Class
Bell, William Brown.....	1900
Bentley, Jules Silvanus.....	1914
Bernard, Henry Stuccator.....	1911
*Bettle, Charles	1861
*Bettle, Edward, Jr.....	1861
*Bettle, Henry	1861
Bettle, Samuel	1885
*Bettle, Samuel, Jr.....	1855
Bettle, Samuel, Jr.....	1895
Bettle, William Henry.....	1896
*Betts, Thomas Wade.....	1886
Bevan, Edwin Jay.....	1904
Beyerle, George Albert.....	1894
Biedenbach, Albertus Lucas.....	1912
Bines, David Adams.....	1880
*Bines, William Henry.....	Ex—1844
Binns, Edward Hussey.....	1888
Binns, Ralph Holden.....	1888
Birdsall, Daniel Lindley.....	1911
Birdsall, Joseph Cooper.....	1907
*Birdsall, Nathan Dunn.....	Ex—1849
*Birdsall, Thomas Webb.....	Ex—1841
*Birdsall, William, Jr.....	Ex—1841
*Birdsall, Zephaniah	Ex—1849
Bishop, Alexander Hamilton.....	1898
Bishop, Gilbert Livingstone, Jr.....	1899
*Bishop, John	Ex—1838
Bishop, William	1880
Bispham, David	1876
Bispham, Edward Koons.....	1875
Bispham, Samuel, Jr.....	1877
Black, John Maris Lindsay.....	1878
Blair, Augustine Wilberforce.....	1892
Blair, David Hunt.....	1891
Blair, John Insley.....	1915
Blair, John Jay	1885
Blair, Walter Elihu	1899
Blair, William Allen.....	1881
Blanchard, Edmund	1895
Blanchard, Irvin Thomas.....	1904
Blanchard, John	1883
*Bliss, Addison Leech.....	Ex—1915
Bode, William	1899
Boher, Sydney Morris.....	1905
Boles, Edgar Howard	1902
*Bonbright, William Parker.....	1904
Bond, Francis Edward, Jr.....	1889
Bowerman, Arthur Lindley.....	1912
Bowerman, Walter Gregory.....	1914

Name	Class
Bowman, Edgar Milton.....	1915
*Bowne, Howland	Ex—1888
*Bowne, John	Ex—1840
*Bowne, Robert	1842
Boyce, William Thomas.....	1910
Boyer, Daniel Burghard.....	1911
Boyer, Frank Buckner.....	1902
*Bradford, James Cresson.....	Ex—1857
Bradley, William Summer.....	1904
Bradway, John Saeger.....	1911
Branson, Thomas Franklin.....	1889
Bray, William McKinley.....	1916
Brecht, Harold Walton.....	1920
Brecht, Samuel Kriebel	1896
Brédé, Charles Frederic	1880
Brewer, Paul Clisby, Jr.....	1912
Brey, Robert Newton.....	1909
Breyfogel, Frank Seneca.....	1906
Brick, Joseph Coles.....	1885
Briggs, Frank Elwood.....	1883
Briles, Herman McKinley.....	1913
Bringhurst, Henry Ryan.....	1890
*Bringhurst, John Richardson.....	1865
*Brinton, Charles	Ex—1853
Brinton, Christian	1892
Brinton, Edward Garrett	1912
*Brinton, George	Ex—1852
Brinton, Horace	1893
Brinton, Howard Futhey.....	1896
Brinton, Howard Haines.....	1904
*Brinton, Thomas Hill.....	Ex—1852
Brinton, Walter	1881
*Brinton, Walter Carroll	1915
Brockelbank, William John	1919
Brodhead, Horace Beale	1917
Brodhead, Truxtun Read.....	1920
*Brooke, Alfred	Ex—1858
*Brooke, Benjamin	Ex—1860
*Brooke, Benjamin	Ex—1885
*Brooke, Francis Mark.....	Ex—1857
Brooke, Hugh Jones.....	1886
Brooke, Lewis Trimble.....	1857
Brooke, Mark	1896
*Brooke, Nathan	Ex—1852
Brooks, Edward, Jr.....	1888
Broomall, William Booth.....	1861
Brown, Alonzo	1875
Brown, Arthur Emlen.....	1907
Brown, Carroll Thornton.....	1908

Name	Class
Brown, Charles Farwell.....	1917
*Brown, David Sands, Jr.....	Ex—1846
*Brown, Edward Taylor.....	1865
Brown, Ellis Yarnall, Jr.....	1901
Brown, Ernest Lancaster.....	1917
Brown, Francis Head.....	1895
Brown, Henry Clay.....	1866
*Brown, Henry Graham.....	1871
Brown, James Stuart.....	1870
*Brown, John Farnum.....	1893
*Brown, Joseph Howell.....	Ex—1855
*Brown, Joseph Johnson.....	Ex—1847
Brown, Justin Emmett.....	1902
*Brown, Moses, Jr.....	Ex—1847
Brown, Paul Howard.....	1913
Brown, Paul Willits.....	1907
Brown, Richard Cadbury.....	1897
Brown, Samuel Hulme.....	1895
Brown, Shipley.....	1902
*Brown, Stephen.....	Ex—1845
Brown, Thomas Kite, Jr.....	1906
*Brown, Thomas S.....	Ex—1846
Brown, Thomas Wistar, Jr.....	1878
*Brown, William A.....	Ex—1843
*Brown, William Henry, Jr.....	Ex—1859
Brownlee, John Arthur.....	1912
Brumbaugh, Isaac Harvey.....	1892
Bryan, Julian Scott.....	1910
Bryant, Henry Earham C.....	1910
Bryne, Andreas.....	1909
*Buffum, Benjamin.....	Ex—1843
Buffum, Edward.....	1885
Buffum, Frederick Cyrus, Jr.....	1916
Bullinger, Howard Valentine.....	1901
*Bunker, Nathan, Jr.....	Ex—1842
*Bullock, Charles.....	Ex—1844
Bullock, John Griscom.....	1874
*Bullock, William R.....	Ex—1843
Bunting, Stephen Clarence.....	1920
Burdette, Robert Jones, Jr.....	1900
Burgess, Daniel Lawrence.....	1904
*Burgess, Thomas Harvey.....	1858
Burket, John Warren.....	1917
Burns, William John.....	1897
Burr, Charles Henry, Jr.....	1889
Burritt, Robert William.....	1920
*Burson, David Stroud.....	Ex—1835
Burt, Howard.....	1908
Bushnell, Charles Stone.....	1903

Name	Class
Bushnell, Joseph, 3d.....	1908
Busselle, Alfred	1894
*Butler, Frederick C.....	Ex—1884
Butler, George Thomas.....	1890
Butler, James Edgar	1898
Buzby, George Haines.....	1918
Buzby, John Howard.....	1917
Buzby, John Stuart.....	1907
Bye, Edgar Chalfant.....	1915
*Byers, Lawrence Marshall.....	(1891)
Cabo, Angel Roderiguez	1890
Cadbury, Benjamin	1892
Cadbury, Earl Shinn	1910
Cadbury, George Norman	1912
Cadbury, Henry Joel	1903
Cadbury, Joel	1856
Cadbury, John Warder	1854
Cadbury, John Warder, Jr.	1901
*Cadbury, Richard	1842
Cadbury, Richard, Jr.	1907
Cadbury, Richard Tapper	1872
Cadbury, William Edward	1901
*Cadbury, William Warder	Ex—1850
Cadbury, William Warder	1898
Callender, Gordon Samuel	1919
Calley, Donald MacMakin	1910
Campbell, Frank Leslie	1920
*Canby, Roberts	Ex—1837
*Canby, Samuel	Ex—1856
*Canby, William	1842
Canby, William Marriott	1891
Carey, Anthony Morris	1881
Carey, Clifton O'Neal	1901
Carey, Francis King	1878
Carey, Galloway Cheston	1915
*Carey, James	Ex—1839
Carey, James, Jr.	1872
Carey, James, 3d	1916
Carey, John Ellicott	1870
*Carey, Thomas Kimber	Ex—1870
*Carmalt, Charles Churchill	Ex—1886
*(?) Carmalt, James Edward	Ex—1859
Carpenter, James McFadden, Jr.	1912
*Carpenter, Samuel Preston	Ex—1866
Carr, Herbert Joseph	1918
Carroll, Dudley De Witt	1908
*Carroll, William Hunt	(1891)
Carter, Charles Henry	1900

Name	Class
Carter, Charles Lybrand	1895
Carter, John Darlington	1899
Carter, John Pim	1900
Carson, Walter	1906
Carus, Hermann Dietrich	1920
Cary, Charles Reed	1902
Cary, Donald Bush	1910
Cary, Egbert Snell	1892
Cary, Frank Wing	1916
Cary, Richard Lucius	1906
Cassatt, Edward Buchanan	1887
Caswell, Andrew Baird	1902
Cates, Benjamin Harold	1905
Cates, Edward Earle	1883
Cates, Horace Getchell	1883
Causey, Foster	1889
Causey, Trusten Polk	1889
Chalfant, Thomas Marshall	1897
Chamberlain, William Reginald	1900
Chamberlin, William Henry	1917
Chambers, William Wilkie	1902
Champlin, Carroll Dunham	1914
Chandler, George Donald	1917
Chapman, Samuel Hudson	1919
Cheney, Jesse Sharpless	1857
Chilman, Edward Fennemore	1887
Charles, Arthur Matthew	(1896)
Charles, John Wesley	1904
Chase, Alfred	1887
Chase, Frank Sewell	1901
*Chase, George Hazen	Ex—1843
*Chase, George Howland	Ex—1852
Chase, James Anthony	1865
Chase, Oscar Marshall	1894
*Chase, Richard Wyatt	1859
Chase, Robert Howland	1867
Chase, Robert Howland	(1885)
*Chase, Thomas	(1880)
Chase, Thomas Herbert	1884
*Chase, William Barker	Ex—1872
Chase, William Cromwell	1881
*Chase, William Henry, Jr.	Ex—1854
Chase, William Thomas	1899
Christie, Ronald	1911
Claassen, Cornelius Jansen	1907
*Clapp, Isaac Hicks	Ex—1838
*Clapp, John, Jr.	Ex—1851
*Clapp, Samuel Hicks	Ex—1865
Clark, Charles Granville	1873

Name	Class
Clark, Charles Fygis	1910
*Clark, Dougan	1852
Clark, Jefferson Hamer, Jr.	1911
Clark, Joseph Woodburn	1904
*Clark, Lindley Murray	1860
*Clark, Thomas	1858
Clark, Thomas Noah	1910
*Clark, William Penn	1867
Clarke, James Alexander, Jr.	1911
Clarke, Stewart Patterson	1914
Clauser, Claude	1909
Clauser, Milton	1896
Clement, Allen Ballinger	1887
Clement, DeWitt Crowell	1917
Clement, Gregory	1912
Clement, John Browning	1908
Cleveland, Arthur Horton, Jr.	1918
Clothier, John Bireley	1884
Cloud, Joseph Cooper	1866
Cloud, William Buchanan	1911
Coale, Alford Gable	1870
Coale, Carey	1891
*Coale, Isaac, Jr.	Ex—1846
*Coale, James Carey	Ex—1843
*Coale, Thomas Ellicott	Ex—1853
Coates, Edward Hornor	1864
*Coates, George Morrison	1863
*Coates, Henry Troth	1862
*Coates, Henry Troth	(1882)
*Coates, Joseph Potts Hornor	Ex—1839
Coates, Sydney Hornor	1910
Coates, William Morrison	Ex—1842
*Cobb, William Almy	Ex—1842
Coca, Arthur Fernandez	1896
Cochran, Jerrold Scudder	1920
*Cock, Thomas Ferris	1836
*Cock, Thomas Ferris	(1883)
*Coffin, Elijah	Ex—1867
Coffin, John Elihu	1882
Coffin, Thomas Amory	1890
Coleman, Henry Frederick, Jr.	1918
Coleman, Nelson Bader	1915
Coles, David Budd, Jr.	1867
Coles, Isaac Woolston	Ex—1867
*Colket, William Walker	Ex—1860
Collings, Clifford Carmalt	1908
*Collins, Alfred Morris	Ex—1837
Collins, Alfred Morris	1897
*Collins, Benjamin	Ex—1885

Name	Class
*Collins, Benjamin, Jr.	Ex—1839
Collins, Benjamin, Jr.	1920
*Collins, Charles	1894
*Collins, Francis	Ex—1839
*Collins, Frederic	1839
Collins, Frederic, Jr.	1888
Collins, Frederic, 3d	1919
*Collins, Henry Hill	Ex—1837
*Collins, Isaac	Ex—1842
*Collins, John	Ex—1838
Collins, Minturn Post	1892
*Collins, Samuel Craft	1867
Collins, Stephen Grellet	1856
Collins, Stephen Willets	1883
*Collins, Thomas Abbott	Ex—1837
Collins, William Henry	1881
Colton, Reuben	1876
Comfort, Edward Thomas	1878
Comfort, George Brinton	1907
*Comfort, Howard	1870
Comfort, James Cooper	1873
*Comfort, Jonathan Jones	1856
*Comfort, William	Ex—1871
Comfort, William Wistar	1894
*Comstock, Nathan F.	Ex—1859
Conable, Morris R.	(1885)
*Conard, Henry Norman	Ex—1890
Conard, Henry Shoemaker	1894
*Congdon, Gilbert Arnold	Ex—1877
*Congdon, Johns Hopkins	1869
*Congdon, Samuel Hopkins	Ex—1866
*Conklin, Edward Boote	Ex—1899
Conklin, Frank Henry	1895
Conklin, Frank Roland	1911
Cook, Charles Gilpin	1892
Cook, Edward Hanson	1868
*Cook, Elijah	(1884)
Cook, Joseph Horace	1881
Cookman, Arthur Shirley	1902
Cookman, Charles Howland	1895
Cookman, Harold Holmes	1905
Cooper, Bennett Smedley	1918
Cooper, Joseph Arthur	1916
Cooper, Howard Mickle	1864
*Cooper, John	Ex—1856
*Cooper, Lehman Adams	Ex—1858
*Cooper, Samuel C.	Ex—1860
*Cope, Alban	Ex—1887
*Cope, Alexis Thomas	1868

Name	Class
*Cope, Alfred, Jr.	Ex—1876
*Cope, Edgar	Ex—1857
*Cope, <i>Edward Drinker</i>	(1864)
*Cope, Francis Hazen	Ex—1880
*Cope, Francis Reeve	Ex—1839
Cope, Francis Reeve, Jr.	1900
Cope, Henry	1869
Cope, Joseph	1909
Cope, Joshua Alban	1912
*Cope, Samuel Barnes	Ex—1852
*Cope, Thomas Pim	1839
Cope, Thomas Pim, Jr.	1873
Corbit, Alexander Peterson	1880
Corbit, Daniel	1882
Corbit, Daniel Wheeler	1863
*Corbit, John Cowgill	Ex—1853
*Corbit, John Cowgill, Jr.	1888
*Corbit, William Brinton	1860
*Corbit, William Francis	Ex—1853
*Corlies, William Moore	1860
Cornman, Clarence Raymond	1903
Corson, Bolton Langdon	1916
Corson, Philip Langdon	1919
Cottrell, Charles Thurston	1890
Coulter, Calvin Brewster	1908
*Cowperthwaite, Edwin	Ex—1840
*Cowperthwaite, Thomas Carlile	Ex—1842
Cox, Charles Elwood	1880
Cox, Exum Morris	1888
Cox, Henry Greer	1905
Cox, Isaac Milton	1882
*Cox, Robert B.	Ex—1862
*Craig, Andrew Catherwood, Jr.	Ex—1884
Craig, George Craig	1907
*Crawford, John Yocum	Ex—1891
*Crenshaw, Edmund Austin	1845
*Crenshaw, John Bacon	Ex—1839
*Crenshaw, Nathaniel Bacon	1867
*Cresson, James Clarence	Ex—1858
*Crew, Benjamin Johnson	Ex—1847
*Crew, John Henry	Ex—1855
*Crew, Peter Joel	Ex—1854
*Crew, William Hall	Ex—1857
Crites, Jesse William	1908
Croll, Walter Lewis	1907
*Cromwell, Henry	Ex—1838
Cromwell, James William	1859
Crosman, Charles Henry	1913
Crosman, Charles Sumner	1878

Name	Class
Crosman, Edward Newton, Jr.	1915
*Crosman, Edward Thomas	1878
Crosman, George Loring	1882
Crosman, John Marshall	1918
Crosman, Loring Pickering	1915
Crosman, Willard Martin Rice	1917
Crow, Hollie Ernest	1910
Crowder, William Samuel	1913
*Crowe, Samuel	Ex—1858
Crowell, Arthur	1904
Crowell, James White	1909
Crowell, Thomas	1906
Crowther, Paul Carr	1920
Crowther, William Mortimer	1893
Crozer, Edward P.	1892
Curtis, Frederick Augustus	1913
Curtis, Stephen	1918
*Da Costa, John Chalmers, Jr.	Ex—1892
Dakin, Franklin Arthur	(1894)
Dam, Colby Dorr	1917
Dam, Loring	1917
Darlington, Charles Goodliffe	1913
Darlington, Charles Howard	1867
Darlington, Morton Pennock	1897
Darlington, Percy Smedley	1890
Darlington, William Marshall	1917
David, Edward Wandell	1910
Davies, Guy Hulett	1890
Davis, Charles Woodward	1903
Davis, Francis Franklin	1893
Davis, George Frederick	1881
Davis, Henry	1910
Davis, Henry Lamont, Jr.	1892
*Davis, Henry Wilkins	Ex—1863
Davis, James Franklin	1875
*Davis, Richard Wistar	Ex—1838
Davis, Royal Jenkins	1899
*Dawson, Charles Poultney	Ex—1864
Dawson, Charles Wilmott	1888
*Dawson, William Morrison	Ex—1858
*Day, Edward Munson	Ex—1844
Day, Grafton Buckingham	1919
Deacon, Frank	1918
*Deacon, Frederick Howard	1874
Deacon, Gerald Hartley	1909
*Deacon, James Woolman	Ex—1854
Dean, Archer Griffin	1903
Dean, George Brookhouse	1894

Name	Class
Dean, Morris Burgess	1897
Dean, William	1887
Deane, Philip Bernard	1911
De Armond, James Keyser	1901
DeCou, Benjamin Satterthwaite	1899
DeCou, Franklin	1867
*DeCou, John Allen	1894
*DeCou, Samuel Coleman	Ex—1859
*Delaplain, Louis Springer, Jr.	Ex—1870
DeMotte, Lawrence Washburn	1901
*Dennis, James, Jr.	Ex—1864
*Dennis, Joseph Henry	1892
Dennis, William Varney	1902
Dent, Roscoe Walter	1911
*Derderian, Nazaret Kevork	Ex—1895
Desmond, Thomas Charles	1908
Detwiler, Frank Hughes	1897
*Detwiler, Warren H.	1892
*Deuell, George Henry	1896
Develin, Joseph Chubb	1910
Deweese, Aaron Lovett	1901
Deweese, Alfred Henry	1918
Diamant, Francis Harrar	1913
*Dickinson, Edwin L.	Ex—1857
*Dickinson, Jonathan, Jr.	1886
Dickson, Aubrey Cowtan	1906
*Dilworth, William T.	Ex—1853
Dixon, Alfred Alexander	(1911)
Doak, Henry Andrew	1909
*Doan, Enos L.	1885
Dodge, Burdette L., Jr.	1909
Dodge, Ira Jacob	1907
Dodge, Karl	1915
Domicovich, Harry Anthony	1903
*Dorsey, William Tagart	1867
Doughten, Henry Warrington, Jr.	1906
Downing, George Valentine	1914
Downing, Henry Drinker, Jr.	1916
Downing, John Steele	1911
*Downing, Joseph Miller	1865
Downing, Thomas Stalker	1872
Downing, Thomas Stalker	1905
*Drake, James Haines	Ex—1865
Drinker, Cecil Kent	1908
Drinker, Henry Sandwith, Jr.	1900
Drinker, James Blathwaite	1903
*Drinker, John Henry	Ex—1839
*DuBarry, Joseph N., Jr.	Ex—1890
*Dudley, Henry Wilson	1876

Name	Class
Duerr, Otto Eugene	1903
*Dunbar, Charles Clark	Ex—1843
Dunlap, George Arthur	1916
Dunn, Emmett Reid	1915
Dunn, Robert Rowe	1883
Dunn, Thomas Philips	1919
Dunton, William Rush, Jr.	1889
Durgin, Clyde Gowen	1912
Earnest, Franklin McCreary	1919
Eastburn, George, Jr.	1899
*Eaton, William Bradford	(1890)
*Eddy, Job Abraham Tucker	Ex—1844
Edgerton, Charles Willis	1914
Edsall, Joseph Pusey	1906
*Edwards, Clarence Kinley	Ex—1893
Edwards, David William	1883
Edwards, Earle Nelson	1910
Edwards, Edward Aikin	1908
*Edwards, Edward Bird	Ex—1842
Edwards, Ernest Russell	1897
Edwards, Josiah Pennington	1880
Edwards, Levi Talbot	1881
Egolf, Paul Hewlitt	1915
Elder, Lucius Williams	1920
Eldridge, Jonathan	1878
Eldridge, William Stauffer	1907
Elfreth, J. Bennington, Jr.	1912
Elkinton, Alfred Walton	1914
Elkinton, Henry T.	1920
Elkinton, Howard West	1914
Elkinton, Joseph Passmore	1908
Elkinton, Thomas William	1914
Ellicott, William Miller, Jr.	1884
*Elliott, Aaron Marshall	1866
*Elliott, Aaron Marshall	(1908)
*Elliott, Daniel Morris	Ex—1842
*Elliott, John	1838
*Ellis, Evan Tyson	1844
Ellis, Richard Stanton	1898
Ellison, James Sprague, Jr.	1916
Else, Frank Whittier	(1897)
Else, Ralph Roscoe	1910
*Ely, Richard Elias	Ex—1851
Embree, John Gyger	1898
Emlen, George Williams	1873
Emlen, George Williams, Jr.	1908
Emlen, James	1874
*Emlen, James Valentine	1838
Emlen, John Thompson	1900

Name	Class
England, Howard Stroud	1888
Engle, James Linton	1895
Erben, Walter	1872
Ervien, Charles Richman	1902
Ervien, Robert	1908
Eshleman, Benjamin	1905
*Eshleman, Benjamin Franklin	1867
Eshleman, Frank Mercur	1900
Eshleman, Rodney Mercur	1910
Eshleman, Ulysses Mercur	1903
*Estes, Joseph Stanley	Ex—1884
*Estes, Ludovic	1869
*Estes, Thomas Rowland	1872
Estes, Wilbur Albert	1893
*Estlack, Thomas, Jr.	Ex—1843
Evans, Charles	1902
Evans, Donald	1906
Evans, Edward Wyatt	1902
*Evans, Ernest Mervyn	1905
Evans, Francis Algernon	1899
Evans, George Henry	1883
Evans, Harold	1907
Evans, Horace Young	1887
Evans, Joseph Spragg, Jr.	1895
Evans, Thomas	1889
*Evans, William Henry	Ex—1889
*Evans, William Penn	1871
*Evaul, Henry	1869
*Evernghim, Henry	Ex—1837
Ewing, John Martin Sharpless	1906
*Exton, Joseph Capner	Ex—1861
*Eyre, Joshua P., Jr.	Ex—1858
Falconer, Cyrus	1915
Falconer, Douglas Platt	1912
Fales, James Turner	1906
Fallon, Christopher, Jr.	1911
Fallon, Lewis Flemming	1913
Fansler, Ralph Lee	1912
Fardon, Albert Henry	1901
Faries, Walter Reichner	1916
* (?) Farmer, Elihu Jerome	Ex—1857
*Farnum, Samuel	Ex—1862
Farquhar, Benjamin	1911
Farquhar, Francis Hunt	1912
Farr, Clifford Bailey	1894
Farr, Edward Lincoln, Jr.	1915
Farr, Walter Green	1916
Fay, Percival Bradshaw	1909
Febiger, Christian	1900

Name	Class
Febiger, Christian Carson	1865
Febiger, William Sellers	1909
*Fell, Jonathan W.	Ex—1837
Fenwick, James Bussier	1905
Ferguson, Joseph Cooper, 3d	1914
*Fergusson, Edmund Morris, Jr.	Ex—1920
Ferris, David Sands	Ex—1884
Ferris, Henry, Jr.	1911
Ferris, Leslie Warren	1912
*Ferris, Lindley Murray, Jr.	Ex—1855
Ferris, Malcom	1914
Ferris, William Taber	1885
Field Elliot	1897
*Field, Thomas Yardley, Jr.	Ex—1896
*Field, W. Harrington	Ex—1856
Finestone, Lewis Julius	1914
Firth, Henry Heberton	1889
*Firth, Samuel Lloyd	Ex—1892
*Fischer, William Gustavus, Jr.	Ex—1891
*Fisher, Charles William	Ex—1840
Fisher, Charles Worley	1905
*Fisher, Israel Pleasants	Ex—1843
*Fisher, Lindley	Ex—1837
Fisher, Wager	1897
Fite, Warner	1889
Fitts, Dwight Robert	1918
Fitts, Russell	1920
Flanders, Donald Alexander	1920
Fleming, Montgomery Ward	1905
*Flowers, William Pickering	Ex—1861
*Folwell, Joseph D.	Ex—1839
Folwell, Philip Donald	1904
*Folwell, Richard L.	Ex—1843
*Forman, Horace Baker, 3d	Ex—1917
Forsythe, Davis Hoopes	1881
Forsythe, Edward	1878
Forsythe, Isaac	1877
Forsythe, Jesse Garrett	1917
Forsythe, John Evans	1872
*Foster, Charles	Ex—1839
*Fothergill, Henry	Ex—1858
*Foulke, Edward Jeanes	Ex—1894
Fox, John Sharpless	1902
*Fox, Joseph Mickle	1873
Fox, Robert Eastburn	1890
*Fox, Samuel Lewis	Ex—1854
*Franklin, Benjamin H.	Ex—1843
Frazier, Cyrus Pickett	1878
Freedley, William Gardiner, Jr.	1900

Name	Class
Freeman, Alfred Edgar	1901
Freeman, Edward Dale	1900
Frissell, Walker Irwin	1883
*Fritz, Henry Percival	Ex—1907
Froelicher, Charles Mitchell	1910
Froelicher, Francis Mitchell	1913
Froelicher, Hans, Jr.	1912
Frost, Meigs Oliver	1910
Frutchey, Charles Arthur	1910
*Fuller, George Llewellyn	Ex—1891
*Fuller, James, Jr.	Ex—1843
*Fuller, John Wilkinson	Ex—1843
Furness, Harold Alan	1910
Futrell, William Harrison	1887
Gallager, Herbert Van Buren	1911
*Gamble, Elisha	Ex—1882
Gardiner, William Henry	1911
Gardiner, William John	1917
*Gardner, Larner Somers	Ex—1895
Garner, Ralph Leslie	1912
*Garrett, Albin	1864
Garrett, Alfred Cope	1887
*Garrett, George Spencer	1902
*Garrett, Hibbard	Ex—1915
Garrett, John Biddle	1854
*Garrett, Philip C.	1851
Garrigues, Albert Graham	1916
Garrigues, Henry Haydock	1903
Garrigues, John Kittera	1914
Garrigues, John Sharpless	1871
Gates, Morris White	1914
Gates, Thomas Sovereign	1893
Gause, Charles Edward	1880
Geary, John White	1889
Geckeler, Edwin Oscar	1920
Geisinger, William Shelly	1914
Gheen, Evan Pennock	1910
*Gibbons, Edward	1879
Gibbons, William Henry	1872
Gibson, Robert	1917
*Gifford, Charles Henry	Ex—1853
Gifford, Elmer H.	(1892)
*Gifford, John Henry	1879
Gifford, Philio Collins	1913
Gifford, Seth Kelley	1876
*Gilbert, Henry Lee	1890
*Gill, William Hopkins	Ex—1853
Gillespie, Abraham Lincoln, Jr.	1918
Gillespie, William Allen	1899
*Gillis, John Pritchett	Ex—1865

Name	Class
Gilmour, Neil	1918
Gilpin, Vincent	1897
Goddard, Arthur Herbert	1913
Goddard, Henry Herbert	1887
Godley, Francis Downing	1907
Godshall, Harry Hackman	1905
Goerke, Francis Charles	1916
Goltman, Alfred Meyer	1918
Goodhue, Francis, 3d	1919
Goodman, William	1895
Goodwin, Warren Clarkson	1889
Goto, Ichizo	1920
Graham, Walter Franklin	1912
Grafflin, Frederick Lincoln	1887
Grant, William Henry	1902
Graves, Edgar Baldwin	1919
Graves, Gordon Harwood	1906
Grayson, Theodore Julius	1901
*Graves (or Greeves), Thomas	Ex—1841
Greb, John Walter	1903
Green, Jesse Paul	1914
Green, John Clinton	1910
Green, Kane Stovell	1894
Green, Thomas Lightfoot	1908
Greene, Joseph Warren, Jr.	1917
Greene, William Chase	1910
Greer, Robert Bratton	1918
Gregory, Raymond	1913
* (?) Grier, George	Ex—1864
*Griffith, Joseph Henry Oglesbey	Ex—1895
*Griffith, Richard Edward	Ex—1867
Griffith, Roy Thurlby	1919
Griscom, Rodman Ellison	1889
*Griscom, William Woodnutt	Ex—1870
Griswold, Frank Tracy	1892
Gucker, Frank Thomson	1920
Guenther, Jacob Jarden	1908
*Guilford, William Moore, Jr.	1890
*Gummere, Barker	Ex—1838
*Gummere, Charles J.	Ex—1841
*Gummere, Francis Barton	1872
*Gummere, Francis Barton	(1908)
*Gummere, Henry Day	Ex—1845
Gummere, Henry Volkmar	1888
*Gummere, John Griscom	Ex—1838
Gummere, John Westcott	1915
*Gummere, Richard Morris	Ex—1866
Gummere, Richard Mott	1902
Gummere, Samuel James	1907
*Gummere, William	Ex—1836

Name	Class
*Gummere, William Henry	Ex—1884
Guss, John Noble	1890
*Hacker, Arthur	Ex—1852
*Hacker, Charles	Ex—1847
*Hacker, Edward	Ex—1838
*Hacker, Henry Marriott	Ex—1837
*Hacker, Lloyd Mifflin	Ex—1844
*Hacker, Morris	Ex—1848
*Hacker, Paschall	Ex—1858
*Hacker, William	Ex—1854
Hacker, William Estes	1887
Hadley, Hiram	1856
Hadley, Lawrence Nathan	1913
*Hadley, Samuel Allen	1862
Hadley, Thomas Frederic	1911
*Hadley, Walter Carpenter	Ex—1881
Hafer, Warren Lavere	1907
Haig, Chester Raymond	1904
*Haines, Alfred Sharpless	1898
Haines, Arthur	1899
Haines, Carroll Austin	1910
Haines, Caspar Wistar	1872
*Haines, Charles Edward	1875
*Haines, Francis Cope	Ex—1876
*Haines, Frederick	Ex—1865
Haines, Hartley Stokes	1919
*Haines, Henry Cope	1873
*Haines, Howard Lippincott	Ex—1864
Haines, John Howard	1908
*Haines, John Smith	Ex—1838
Haines, Joseph Howell	1898
*Haines, Lindley	Ex—1869
*Haines, Reuben	1871
*Haines, Robert Bowne	1844
Haines, Robert Bowne, Jr.	1878
Haines, Robert Bowne, 3d.	1917
*Haines, Samuel Bunting	Ex—1862
Haines, Thomas Harvey	1896
Haines, Wilbur Hamilton	1907
Haines, William Henry	1871
Haines, William Henry, Jr.	1906
Haines, William Jones	1884
*Haines, William Snell	Ex—1839
Haines, Zebedee	1867
Haley, Edwin James	1890
Hall, Albert Winter	1917
Hall, Arthur Dillwyn	1884
Hall, Arthur Dillwyn	1919
*Hall, Frank Stevens	Ex—1864
Hall, Norris Folger	1913

Name	Class
*Hall, Rufus Hacker	1892
*Hall, William Wilder	Ex—1902
Hallett, George Hervey, Jr.	1915
Hallett, Henry McLellan	1900
Hallett, Henry McLellan, 2d	1918
*Hallowell, Norwood Penrose	Ex—1857
*Hallowell, Richard Price	1855
Hamilton, Frederick Clifford	1909
*Handy, Charles	Ex—1845
*Handy, Thomas Poultney	Ex—1863
Handy, William Winder	1891
Hannum, William Townsend	1916
*Hanson, Ezekiel Hunn	Ex—1855
Harding, Arthur Search	1898
Harding, George Franklin	1885
Harding, William Hover	1918
*Hardy, Benjamin F.	Ex—1842
Hare, William Yarnall	1913
*Harkness, Howard F.	Ex—1861
*Harlan, William Brick	Ex—1872
Harris, Henry John	1895
<i>Harris, James Rendel</i>	(1900)
*Harris, John Stuart	Ex—1860
Harris, Pierson Penrose	1920
Hart, Walter Morris	1892
Hartley, Albert Dempsey	1896
Hartman, Harry Calvin	1920
Hartman, Lewis Evans	1918
Hartshorn, Gordon Birdsall	1919
*Hartshorne, Charles	Ex—1846
Hartshorne, Charles	1919
Hartshorne, Charles Robinson	1874
Hartshorne, Edward Yarnall	1881
Hartshorne, Francis Cope	1888
*Hartshorne, George	Ex—1840
*Hartshorne, Henry	1839
*Hartshorne, Isaac	1844
*Hartshorne, Joseph	1871
Hartshorne, William Davis	1871
Hartshorne, William Davis, Jr.	1911
Harvey, Andrew	1915
Harvey, Anson Burlingame	1894
Harvey, David Maitland	1916
*Harvey, Lawson Moreau	Ex—1881
Harvey, Le Roy	1894
Harvey, Thomas Parrott	1906
Hastings, William Fairbank	1919
Hastings, William Walter	(1896)
Hathaway, Nathaniel, Jr.	1919
Haughton, John Paul	1894
Haughton, Victor Mellet	1889

Name	Class
*Haviland, Arthur	1865
*Haviland, Charles Field	Ex—1849
*Haviland, Edward Emmet	Ex—1848
Haviland, Joseph Bernard	1902
Haviland, Walter Winchip	1893
Haworth, Elwood Bates, Jr.	1920
*Haworth, James Mahlon	Ex—1853
Hay, Arthur Moorhead	1895
Hay, Erroll Baldwin	1895
Hay, Kenneth Mackenzie	1899
Hayman, Joseph Marchant	1918
Haynes, John Shields	1919
Hazard, Richard Bowne	1882
*Hazard, Rowland	Ex—1849
Hazard, Willis Hatfield	1887
Heaton, Lawrence Gardiner	1916
Helbert, George Kingman	1904
Helveston, Harold William	1915
Hemphill, Albert Weimer	1906
Henderson, Francis	1879
Hendricks, Kearney Everett	1902
*Hendricks, Paul Craig	1915
Henley, Fred Murdoch	(1916)
*Herendeen, Edward Welcome	Ex—1852
Herendeen, Francis Albert	1887
*Heston, George Thomas	Ex—1844
Heulings, Isaac W.	1867
Heym, Gerhard Carl	1914
*Hiatt, James Smith	1900
*(?) Hiatt, Oliver Smith	Ex—1864
Hibberd, Dilworth Potts	1890
Hibberd, Isaac H.	1855
*Hickman, Joseph E.	Ex—1859
*Hicks, Harold Willard	Ex—1920
Higgins, Frank Burton	1897
Hill, Allen Janney	1909
*Hill, Fowell Buxton	Ex—1859
Hill, Gerald Ford	1915
Hill, Henry Whitmore	1917
Hill, Horace Prentice	1920
Hill, Joseph Bennett	1912
*Hill, Joseph Gurney	Ex—1885
Hill, Louis Taber	1884
*Hill, Mahlon Patterson	Ex—1880
Hill, Myron Francis	(1891)
*Hill, Nathan Branson	Ex—1839
Hill, Samuel	1878
*Hill, Thomas Clarkson	Ex—1854
Hill, Thomas Rothwell	1908
*Hilles, John Smith	Ex—1848
Hilles, Samuel Eli	1874

Name	Class
Hilles, Thomas Allen	1870
Hilles, William Samuel	1885
Hilles, William Smedley	1895
*Hilles, William Smith	1842
Hilles, William Tatum	1904
Hinchman, Charles Russell	1896
Hinchman, Walter Swain	1900
*Hinsdale, Stephen Grellet	Ex—1839
Hinshaw, David Scull	1911
*Hipple, Edward Payson, Jr.	Ex—1902
*Hipple, William Lewis	Ex—1890
Hires, Charles Elmer, Jr.	1913
Hires, Harrison Streeter	1910
Hisey, John Alan	1918
Hoag, Clarence Gilbert	1893
Hoag, Gilbert Thomas	1920
* (?) Hoag, Joseph Lindley	Ex—1858
*Hoag, Nicholas W.	Ex—1853
Hobbs, Allen Wilson	1908
Hobbs, Lewis Lyndon	(1876)
<i>Hobbs, Lewis Lyndon</i>	(1908)
Hobbs, Louis Lyndon, Jr.	(1911)
Hobbs, Richard Junius Mendenhall	1911
Hodgin, Samuel Horace	1898
Hodgson, Carey Vandervort	1903
Hoffman, Benjamin Rose	1897
Hoffman, Enoch Farson	1903
Hoffman, Miles Atlee	1892
Hoffman, Schuyler Van Vechten, Jr.	1912
Hoffman, William Alexander	1919
*Hollingshead, Henry	Ex—1843
*Hollingshead, Joseph Mickle	Ex—1840
Hollingsworth, John Emory	1903
Holloway, Walter Vail	1898
Holme, John Gibbon	1863
Holme, Richard Henry	1876
Hood, Lee Everett	1907
Hoopes, Arthur	1891
Hoopes, Macmillan	1900
Hoopes, Thomas, Jr.	1915
Hoover, Charles Ruglas	1907
Hopkins, Arthur Haddon	1905
*Hopkins, Ephraim	Ex—1858
*Hopkins, Frank Neville	Ex—1867
*Hopkins, George H.	Ex—1858
*Hopkins, Gerard	Ex—1856
*Hopkins, John J.	Ex—1855
Hopkins, Joseph Schofield	1860
*Hopkins, Lewis Neill	1852
*Hopkins, Samuel	Ex—1858
Hopkins, Walter G.	1860

Name	Class
Hopper, Harry Boardman	1906
Hoskins, Hervey Macy	1903
*Hoskins, Jesse Franklin	1871
Howard, Philip Eugene, Jr.	1920
Howard, William Herbert	1912
*Howell, Arthur Holton	Ex—1837
Howell, Herbert Charles	1888
*Howell, Joseph, Jr.	Ex—1840
*Howell, Joseph Kirkbride	Ex—1838
*Howell, William Hudson	Ex—1838
Howey, Loyal Green	1917
*(?)Howland, Andrew Moore	Ex—1853
*Howland, Benjamin	Ex—1853
*Howland, Charles Samuel	Ex—1872
*Howland, Cornelius	Ex—1854
*Howland, George Henry	Ex—1850
*Howland, Robert Bowne	1843
Howland, Weston	1917
*Howland, William Penn	Ex—1843
Howson, Charles Henry	1897
Howson, Furman Sheppard	1900
Howson, Horace	1912
Howson, Hubert Abbe	1915
Howson, Richard	1913
*Hoxie, Henry Newell	(1883)
Hubbard, Byron Charles	(1892)
*Hubbard, John Russell	1855
Hubbard, William Harrison	1870
Hubler, George Harold	1919
*Huey, Robert, Jr.	Ex—1896
Hughes, James Edward	1894
*Hughes, Thomas	(1880)
*Hull, John	Ex—1853
*Hull, Joseph Janney	Ex—1852
Hull, William Janney	1860
Hulme, Frederick George	1898
*Hulme, John L.	Ex—1852
*Hulme, Samuel	Ex—1837
Hume, John Elias	1897
*Hunn, John	Ex—1842
*Hunn, Townsend Sharpless	Ex—1856
Hunsicker, John Quincy, Jr.	1896
*Hunt, Ambrose	Ex—1846
Hunt, Clarence Merle	1912
*Hunt, Daniel Williams	1858
*Hunt, Ellwood	Ex—1856
*Hunt, Howard Abbott	Ex—1868
Hunt, Luther Milton	(1896)
*Hunt, William, Jr.	1875
Hunt, Wilson Allen	(1893)
Hunter, Perry Ashbridge	1916

Name	Class
Hussey, Arthur Mekeel	1887
*Hussey, George Frederick	Ex—1881
*Hussey, John Bowne	Ex—1843
*Hussey, William H.	Ex—1842
Hussey, William Timothy	1885
Huston, Abram Francis	1872
Huston, Charles Lukens	1875
Huston, James Stewart	1919
Huston, William Perot	1872
Hutton, Arthur Webster	1910
Hutton, John Wetherill	1891
Hutton, Walter Pandrich	1897
Hynson, Matthew Manlove	1918
*Iddings, George W.	Ex—1859
*Iddings, James C.	Ex—1857
Inman, Arthur Crew	1917
Inumaru, Tetsutaro	1902
*Jacob, Charles Richard	1884
*Jacobs, Carrol Brinton	1893
Jacobs, Francis Brinton	1897
*Jacobs, William	(1872)
Jackson, Charles West	1867
Jackson, Walter	1867
Janeway, John Livingston, 3d.	1907
Janney, John Hall	1887
*Janney, Johns Hopkins	Ex—1856
*Janney, Richard Mott	Ex—1888
Janney, Thomas Symington	1890
Janney, Walter Coggeshall	1898
Jansen, Cornelius Henry Von Riesen.	1889
Jay, Isaac E.	1885
*Jay, William Charles	Ex—1882
*Jenkins, Charles Williams	Ex—1881
*Jenkins, William Grant	1890
Jenks, Horace Howard	1900
Jenks, John Story, Jr.	1898
Jenks, William Pearson	1892
*Jessup, Benjamin H.	Ex—1860
Jessup, George White	1863
Johnson, Carl	1902
Johnson, Charles Hadley	1895
*Johnson, Guy Roche	1886
Johnson, Henry Alden	1916
*Johnson, Henry Norton	Ex—1842
Johnson, Irving Culver	(1893)
Johnson, Isaac Thorne	1881
*Johnson, Jacob Lindley	Ex—1859
*Johnson, Joseph Esrey, Jr.	1888
Johnson, Joseph Henry	1888

HAVERFORD COLLEGE

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Name	Class
Jones, Arthur Winslow	1885
*Jones, Benjamin W.	Ex—1841
*Jones, Charles	Ex—1837
*Jones, Charles Henry	1861
Jones, Davis Godfrey	1898
Jones, Edward Magarge	1880
Jones, Edward Morris	1914
Jones, Ernest Fuller	1907
Jones, Frederick Dilwin	1882
Jones, George Lindley	1893
Jones, Harold William	1905
Jones, Herbert Lawrence	1917
Jones, Hudson Godfrey	1902
*Jones, Ivins Davis	Ex—1861
*Jones, James Parnell	Ex—1855
*Jones, John Barclay	1874
Jones, Le Roy	1911
Jones, Lewis, Jr.	1890
Jones, Paul	1905
*Jones, Richard Mott	1867
*Jones, Richard Mott	(1879)
*Jones, Richard Mott	(1891)
*Jones, Richard Thomas	1863
*Jones, Rufus Horton	Ex—1899
Jones, Rufus Matthew	1885
*Jones, Samuel Howell	Ex—1837
Jones, Samuel Rufus	1884
Jones, S. Percy	1902
*Jones, Thomas Woodward	Ex—1853
*Jones, William Brinton	Ex—1865
*Jones, Wilmot Rufus	1882
Judkins, William, 3d	1910
Justice, William Warner, Jr.	1900
*Kaighn, William Bartram	1869
Kaleel, Mousa Jirius	1915
Kamens, Jack Weler	1916
Kamsler, Milton Adolph	1920
Kearney, Thomas Henry	1920
Keay, Louis Kent	1918
Kellett, William Wallace	1913
Kelly, Thomas Raymond	1914
Kelsey, Cadwalader Washburn	1903
Kelsey, Hadley Hart	1914
Kemble, Ira Oscar, Jr.	(1895)
Kendall, John Wiley	1918
Kenderdine, John Donald	1910
Kendig, Raymond Clare	1916
Kennard, Edwin Orson	1881
Kennard, William, Jr.	1906
Kerbaugh, George Allen	1910

Name	Class
Kerbaugh, Malcolm Dean.....	1919
Killen, Clarence Creadick.....	1909
*Kimber, Anthony Morris.....	1840
Kimber, John Shober.....	1886
*Kimber, Marmaduke Cope.....	1872
Kimber, Thomas	1920
*Kimber, Thomas, Jr.....	1842
* <i>Kimber, Thomas Jr.</i>	(1887)
*Kimber, Thomas William.....	1876
Kimber, William Marmaduke Cope.....	1904
*King, Elias Ellicott.....	Ex—1844
*King, Francis Thompson.....	Ex—1837
*King, Joseph	Ex—1843
King, Joseph Bernard, Jr.....	1920
*King, Pendleton	1869
*King, Thomas	Ex—1839
Kingston, Henry H., Jr.....	1900
*Kinsman, William Low.....	1852
Kirk, Edward Goodwin.....	1902
Kirk, Elisha T.....	1913
*Kirk, Mahlon Zimri.....	(1894)
Kirk, William Thompson, 3d.....	1916
Kirkbride, Franklin Butler.....	1889
*Kirkbride, Mahlon	1874
*Kirkbride, Thomas Story, Jr.....	1890
Kirkbride, William Howard.....	1901
Kitchen, Paul Cliff	1909
Kleinz, William Lee.....	1911
Kling, Edward William.....	1915
Klock, Harvey	1917
Knight, Clinton Prescott, Jr.....	1916
*Knight, Thomas Walter	Ex—1863
Knipe, Arthur	1893
Knowlton, Alfred Douglas.....	1920
*Knowlton, Henry Earle.....	1916
Kojima, Marsayashi	1913
Koons, Henry Webster.....	1918
Kratz, Abel Wesley.....	1904
Krider, James Delaplaine	1877
Kuhns, John	1916
Kurtz, Henry Keller, Jr.....	1913
Kurtz, William Wesley, 2d.....	1908
Kwan, Yan Cho	1912
*Ladd, Benjamin	Ex—1852
Ladd, Isaac Gifford.....	1884
*Ladd, Thomas Wood	Ex—1854
*Ladd, William Henry	Ex—1845
*Lamb, Eli Matthews	Ex—1856
*Lamb, Thomas White.....	1861

Name	Class
Lancaster, George	1894
Lane, Harold Macy	1914
Lane, John Irving	1898
Lane, Silas	1902
*Lang, John Alton	Ex—1860
Langfeld, Herbert Sidney	1901
Langsdorf, Jacob Morris	1910
Lathem, Lance Brenton	1912
Laughlin, Sceva Bright	(1906)
Laverty, Maris Alexander	1917
Law, Fern	1910
Lawrence, Edwin Field, Jr.	1917
*Lawrence, Richard Henry	1841
*Lawrence, William Henry	Ex—1865
Lawson, Mennis	1917
Le Clercq, Jack George Schuman ..	1918
*Lee, Charles Frederick	1907
Lee, Charles Smith	1905
Lee, Morris Matthews	1898
*Lee, Philip	Ex—1885
*Leedom, John Moore	Ex—1857
*Leeds, Albert Ripley	Ex—1863
Leeds, Arthur Newlin	1889
Leeds, John Bacon	1895
Leeds, Morris Evans	1888
*Leeds, Wilmer Pancoast	1882
Lees, Alfred Whitaker	1916
*Leggett, Charles Pleasants	Ex—1842
Leidy, Philip Ludwell	1916
Leininger, Charles Scott	1910
Leland, William Henry	1915
Leonard, Arthur Cheney	1908
Lesley, Hugh	1887
Lester, Bernard	1904
Lester, Edward Rowntree	1917
Lester, Evan Jones, Jr.	1918
Lester, John Ashby	1896
Leuba, Clarence James	1920
Levett, Walker Moore	1897
Levick, Henry Lewis d'Invilliers ..	1900
*Levick, James Jones	1842
*Levick, Lewis Jones	Ex—1867
*Levick, Robert	Ex—1863
*Levick, Samuel Jones, Jr.	Ex—1870
*Levick, Thomas J.	1851
Levin, Edwin R.	1911
Levis, Edward Megarge	1915
*Levis, Franklin B.	Ex—1853
Lewis, Benjamin Jones	1914
*Lewis, Berge Rawle	Ex—1858

Name	Class
*Lewis, Chester Preston	Ex—1907
Lewis, Daniel Clark.....	1889
*Lewis, Edmund Coleman	Ex—1887
*Lewis, Enoch Edward	Ex—1856
Lewis, Eugene Caryl.....	1894
Lewis, Henry Carvill.....	1910
Lewis, John Frazier Taylor.....	1890
*Lewis, John Howard	Ex—1837
*Lewis, Mordecai K.	Ex—1844
Lewis, Thomas Krapfel.....	1909
Lewis, Walter E.	1908
Lewis, William Draper.....	1888
Lewis, William Evan.....	1912
Libby, Ralph Garfield.....	1905
Limeburner, Furman Hunte.....	1919
*Lindley, Cyrus.....	1860
*Lindley, John Hadley	Ex—1864
Lindley, Luke	1904
Lindsay, Raleigh Cabell.....	1907
Lindsay, William Gibbon.....	1906
Linton, Morris Albert.....	1908
Lippincott, Charles.....	1861
Lippincott, George.....	1895
Lippincott, Heulings.....	1862
Lippincott, Horace Greenough.....	1862
*Lippincott, Horace Greenough, Jr.....	Ex—1893
*Lippincott, James Starr	Ex—1837
*Lippincott, Joseph Kay	Ex—1867
*Lippincott, Joshua W.	Ex—1860
*Lippincott, Samuel Parry	Ex—1886
Lippman, Leonard Blackledge.....	1914
List, John Kilbourne.....	1884
Little, William Clark.....	1917
Livezey, John.....	1858
*Livezey, Joseph Ridgway	Ex—1858
Lloyd, John Eshelman.....	1900
*Lloyd, Richard Leonard	Ex—1892
Lobaugh, Edward Harold.....	1920
Locke, LeRoy Dyer.....	1915
Locke, Robert Allison.....	1914
Loewenstein, Sidney	1909
Logan, John Addison, Jr.....	1900
*Logan, John Dickinson	Ex—1837
*Long, Alfonso W.	Ex—1841
Long, Charles-Francis	1918
Longstreet, Jacob Holmes.....	1876
*Longstreth, Benjamin Taylor.....	Ex—1869
*Longstreth, Charles Albert.....	1876
Longstreth, Edward Rhoads.....	1890
Longstreth, Henry.....	1874

Name	Class
*Longstreth, Morris.....	1864
*Longstreth, Samuel Townsend	Ex—1857
*Longstreth, Thomas Kimber.....	1870
Longstreth, Thomas Morris	1908
Longstreth, Walter Wood.....	1912
Longstreth, William Church.....	1913
*Longstreth, William Collins.....	1837
Longstreth, William Collins.....	1902
*Longstreth, William Morris.....	1872
Loud, Frank Herbert.....	(1900)
Love, John Gray, Jr.....	1916
Lovell, George Willard.....	1918
*Lownes, Phineas	Ex—1838
Lowry, Alfred, Jr.....	1909
Lowry, Arthur Tilghman.....	1906
*Lowry, Benjamin Howard	1873
Lowry, Herbert Mendenhall.....	1912
Lowry, Howard Haines.....	1899
Lowry, John Blanchard	1912
Lowry, Robert Pharo.....	1904
*Lowry, William Chalkley.....	1879
Lucas, Clinton W.....	(1886)
Ludlam, Jesse Diverty.....	1913
Lufkin, Harold Marshall.....	1910
Lukens, Edward Fell, Jr.....	1916
Lusson, Louis Camille Olry.....	1918
Lutz, Frank Eugene.....	1900
Lutz, Howard Milton.....	1909
Ly, Juwan Usang	1917
Lycett, Edward Howes	1899
Lycett, Isaac Cate	1920
Lycett, Townsend Whelen	1913
Lynch, James Lewis	1880
*Lyon, John Stewart	Ex—1877
MacAfee, William Harrison	1897
MacLear, Walter	1887
Macomber, Edward Leonard	1901
*Maddock, Edward	Ex—1860
*Magee, James Ronaldson	1859
*Magill, Edward Hicks	(1886)
Magill, James Phineas	1907
Maier, Harmon	1912
Maier, Paul David Irvin	1896
Male, Jonathan Tamblyn	1895
Malone, Lewis	1902
Maloney, Andrew Jackson, Jr.....	1906
March, Joseph Cornell Beans	1907
*March, Michael Henry	1907
Marine, James Sidney	1916

Name	Class
Markley, Joseph Lybrand	1885
*Marsh, Benjamin Vail	1837
Marsh, Charles Edward	1909
Marshall, Franklin Osburn	1917
Marshall, Moses	1900
Marshburn, Albert Lawrence	1912
Marshburn, William Valentine	1881
Martin, Harold Thomas	1909
*Martin, James, Jr. Ex—	1845
*Martin, L. Lanphier Ex—	1887
Martin, Robert Linwood	1892
Martin, Stuart Thompson	1910
Martinson, Charles Gilbert	1909
Martwick, William Lorimer	1916
Mason, Samuel	1880
Mason, Samuel, Jr.	1910
*Matlack, George T. Ex—	1859
*Matthews, Richard J. Ex—	1853
*Matthews, William W. Ex—	1863
Maule, Alfred Collins	1899
Maule, Edmund Richardson	1913
*Maule, Edward Ex—	1841
Maury, John M., Jr.	1920
Maxfield, Francis Norton	1897
Maxwell, John Gordon	1916
Mayers, Clayton Wadleigh	1910
McAllister, Franklin	1892
*McCann, Wilmot Alrich Ex—	1911
McConnell, Thomas, 3d	1919
McConnell, William Mallery	1913
McCracken, Harlan Linneus	1915
McCrea, Roswell Cheney	1897
*McDowell, Henry Ex—	1871
McFarlan, Roy	1914
McFarland, William Stuart	1886
McGrath, Francis Sims	1898
McGrew, Henry Edwin	(1904)
McKay, Howard Franklin	1911
McKinley, Rowland Paull	1914
McKinstry, Hugh Exton	1917
McNeill, Joseph	1915
Meader, Stephen Warren	1913
Megear, Thomas Jefferson	1904
Mekeel, David Lane	1891
Mellor, Alfred	1861
Mellor, George Brown	1862
Mellor, George Brown, Jr.	1901
*Mellor, John Bancroft Ex—	1856
Mellor, Ralph	1899
Mellor, Walter	1901

Name	Class
*Mellor, William	Ex—1858
*Mendenhall, Cyrus	Ex—1836
*Mendenhall, Cyrus	1857
*Mendenhall, James Ruthin	Ex—1842
Mendenhall, Lloyd Hadley	1913
*Mendenhall, Nereus	1839
Mendenhall, Ottis Earl	1897
Mendenhall, William Orville	1901
Mendes, Joas Silva	1917
Mengert, Ulric Johnson	1916
*Mercer, George Gluyas	1877
Meredith, Clement Orestes	1901
Merrick, Thomas Belsham	1908
Merritt, Charles Frost	1864
Merritt, Isaac Nehemiah	1860
* (?) Merritt, J. Walter	Ex—1863
*Merritt, William Henry	Ex—1860
Metcalf, Charles A.	1877
Metcalf, Robert Davis	1917
*Mitchener, Charles Leroy	(1890)
Middleton, Samuel	1896
Mifflin, Archer Bloomfield	1899
Mifflin, Samuel Wright	1900
Miller, Charles Lichty	1908
*Miller, Charles Martin	Ex—1865
*Miller, Daniel	Ex—1900
Miller, David Blaine	1903
Miller, Edward Imbrie	1912
Miller, Elmer Clarence, Jr.	1920
Miller, Harold Schaeffer	1914
Miller, Henry March	1895
Miller, Lee Douglas	1919
Miller, Martin Nixon	1894
Miller, Paul Van Reed	1909
Miller, Robert Boyd	1917
Miller, Robert Everts	1912
*Miller, Russell Nelson	1919
*Miller, Warren Koons	1906
Miller, William H.	1858
<i>Mills, Joseph John</i>	(1890)
Milne, Norman Forbes	1920
Minot, Francis	1915
Mitchell, Howard, Jr.	1907
Mitchell, Jacob Thomas	1891
Mitchell, Kenneth Sylvester	1917
Mixter, George Washington, Jr.	1911
Moffitt, Oscar Payton	1898
Monroe, James	1906
Montgomery, George	1913
Moock, Ralph Frederick Strodict	1919
Moon, Charles Thompson	1912

Name	Class
Moon, Edward Randolph	1916
Moore, Edwin Lawton, Jr.	1915
Moore, Gilbert Henry	1917
Moore, Herbert Wills	1901
Moore, Jesse Hollowell	1881
*Moore Joseph	(1867)
Moore, Lawrence Clayton	1909
Moore, Percy Warren	1914
*Moore, Richard Mott	Ex—1839
Moore, Robert Whitcomb	1918
Moore, Walter Linton	1884
Moore, Walter Thomas	1871
Moore, Willard Brown	1918
Moorhouse, John Kennedy	1900
*Morgan, Alexander	Ex—1844
Morgan, Gerard	1913
*Morgan, James Trask	Ex—1838
Morgan, Jesse Henley	1882
Morgan, Mordecai Reeves	1919
*Morgan, Samuel Rodman	Ex—1842
Morgan, Samuel Rowland	1898
*Morgan, Sherman Parker	1916
*Morgan, William Burroughs	Ex—1847
*Morgan, William Butler	1853
Morgan, William Earl	(1885)
Morley, Christopher Darlington	1910
Morley, Felix Muskett	1915
Morley, Frank Vigor	1919
*Morris, Alfred Paul	Ex—1895
*Morris, Anthony Jones	Ex—1862
Morris, Charles Christopher	1904
*Morris, Charles Wistar	Ex—1843
*Morris, Elliston Perot	Ex—1848
Morris, Francis Bolton	1906
Morris, Fred Helsabeck	1917
*Morris, Frederick Wistar	1860
Morris, Frederick Wistar, Jr.	1888
Morris, Galloway Cheston, Jr.	1902
Morris, Glenn Whinery	1909
Morris, Harold Hollingsworth	1904
*Morris, Henry Gurney	Ex—1859
Morris, Herbert	1889
Morris, Howard	1894
Morris, Isaac Tyson	1872
*Morris, Isaac Wistar	Ex—1865
*Morris, Israel, Jr.	1886
*Morris, James Thompson	Ex—1863
*Morris, John Stokes	1891
*Morris, John Thompson	Ex—1867
Morris, Joseph Howard	1905

Name	Class
Morris, Joseph Paul	1899
*Morris, Joshua Husband	Ex—1839
Morris, Lawrence Johnson	1889
Morris, Marriott Canby	1885
*Morris, Morton	Ex—1859
Morris, Paschall Hollingsworth	1887
Morris, Reginald Hollingsworth	1910
Morris, Richard Jones	1888
*Morris, Samuel	Ex—1846
*Morris, Samuel Buckley	Ex—1889
Morris, Samuel Wheeler	1894
*Morris, Stephen	Ex—1855
Morris, Sydney Sharp	1912
*Morris, Theodore Hollingsworth	1860
Morris, Thomas Edward	1920
Morris, William Henry	1863
Morris, William Paul	1886
Morriss, Henry Hayles	1920
Morriss, William Haviland, Jr.	1908
Morton, Alfred Balch	1907
Morton, Arthur Villiers	1893
*Mott, John Bowne	Ex—1860
Mott, Joseph Walton	1906
Mott, Richard	1882
Mott, Richard Henry	1909
*Mott, Samuel Franklin	Ex—1842
*Mott, William Franklin, Jr.	Ex—1839
Mowry, Allan McLane	1887
Moyer, Menno S.	1898
Muir, John Wallingford	1892
Mullin, James Torbert	1920
Murphy, Eugene Besson	1902
Murphy, Grayson Mallet-Prevost	1909
Murray, Augustus Taber	1885
*Murray, David Colden	Ex—1837
Murray, David Colden	1912
Murray, Effingham Cock	1905
Murray, Francis King	1917
*Murray, John	Ex—1846
*Murray Joseph King	Ex—1861
*Murray, Lindley	1837
*Murray, Robert Lindley	Ex—1842
Musser, Frederic Omar	1903
Mussetter, William	1918
Myers, Frederick, Jr.	1909
Napier, Arthur Howell	1917
*Nason, Charles Dickens	1896
Nauman, Spencer Gilbert	1906
*Needles, Caleb Hathaway	Ex—1839

Name	Class
Neilson, William La Coste.....	1901
Nevin, Walter Scott	1918
*Newbold, Edward	Ex—1843
*Newbold, Joseph Trotter	Ex—1857
Newell, Carl Leister	1915
Newhall, Barker	1887
*Newhall, William Estes	1852
Newkirk, John Bacon	1879
Newlin, Gurney Elwood	1902
Newlin, Harold Parker	1875
Newlin, Thomas	1885
Newman, Herman	1902
*Nichols, David Holder	1865
Nichols, Eli	1912
*Nicholson, Coleman Lindzey	Ex—1850
Nicholson, Herbert Victor	1913
Nicholson, John Whitall	1876
*Nicholson, John Whitall, Jr.....	1907
Nicholson, Percival	1902
*Nicholson, William Hopkins	Ex—1846
Nicholson, William Hopkins, Jr.....	1892
Nields, John Percy	1888
Nitobé, Yoshio	1915
*Noble, Charles	Ex—1859
Oberholtzer, Charles Herman, Jr.	1916
Oberteuffer, James Pritchett	1893
Off, Edward Peltz	1901
Offermann, Harry C.	1913
Ohl, Frederick William	1905
Okie, John Mickle	1893
Okie, Richardson Brognard	1896
Oliver, Alan Douglas	1919
Oliver, Kenneth Stuart	1920
*Olver, Cyrus Hicks	1896
*O'Neill, John Lamond	Ex—1895
Orbison, Thomas James	1888
*Osborne, Charles	Ex—1837
Osborne, Charles	1893
Osborne, William Elmore	1883
*Osborne, William Peckham	Ex—1855
Osler, Chester Arthur	1919
Overman, William Franklin	1889
Owen, Charles Raymond	1904
Owen, Horace Thornburg	(1896)
*Owen, Oliver	1870
Padin, José	1907
Page, William Enoch	1881
*Paige, Franklin Enoch	1851

Name	Class
Painter, Donald Hinshaw	1917
Painter, Herbert Joseph	1918
*Painter, Howard	Ex—1871
*Painter, John Vickers	Ex—1855
Painter, Joseph Henry	1889
Palen, Gilbert Joseph, Jr.	1892
*Palmer, George Martin	1897
Palmer, Lewis	1911
Palmer, Louis Jaquette	1894
Palmer, Thomas Chalkley	1882
Palmer, Walter	1910
*Pancoast, Albert	1864
Pancoast, Charles Edward, 2d	1919
*Pancoast, Charles Howard	Ex—1848
*Pancoast, George Abbott	Ex—1853
*Pancoast, Henry Boller	Ex—1863
*Pancoast, Richard	1860
*Pancoast, William Henry	1853
*Pancoast, William Henry	(1876)
Pancoast, William Howard	1894
Parker, Douglas Leonard	1914
Parker, John Eberly	1887
Parker, John Hollowell	1912
Parrish, Alfred	1867
*Parrish, Dillwyn, Jr.	Ex—1859
Parrish, James Cresson	1859
*Parrish, Joseph	Ex—1863
*Parrish, Joseph	(1884)
Parrish, Maxfield	1892
*Parrish, William Wright	Ex—1864
*Parry, Charles	Ex—1864
*Parry, Edward Randolph	Ex—1852
*Parry, Israel Hollowell	Ex—1854
Parry, Richard Randolph	1854
*Parsons, Robert Bowne	1837
Parsons, Samuel	1862
*Parsons, Samuel Bowne	Ex—1836
*Parsons, William Bowne	Ex—1841
Patrick, Jesse Kersey	1911
Patterson, Clement Finney	(1896)
Patterson, George Stuart	1888
Patteson, William Sheppard	1914
Patton, Richard	1901
*Paul, Joseph William	Ex—1878
Paxson, Newlin Fell	1917
*Paxson, Richard C.	1859
*Paxson, Samuel	Ex—1851
*Pearce, Robert Kester	Ex—1878
*Pearsall, Robert	1845
Pearson, George	1869
Pearson, Henry Grant	1908

Name	Class
*Pearson, Ralph Lincoln	1905
Peaslee, Francis Albert	1913
Pedrick, Alexander K.	1858
Peelle, Jonathan Irvin	1900
Peet, William Fellows	1884
Peirce, Edmund Converse	1905
*Peirce, George	1903
Peirson, Frank Warrington	1889
*Peitsmeier, Edward	Ex—1873
*Pendleton, Charles Mason	Ex—1866
Pendleton, Edward Gray	1866
Penney, Humphrey Linthorne	1917
*Pennock, Abraham Liddon	Ex—1847
*Pennock, Joseph Liddon	1837
Pennypacker, Joseph Whitaker	1909
Pennypacker, William Gause, Jr.	1893
*Perkins, Benjamin Douglas	Ex—1853
*(?) Perkins, Lindley Murray	Ex—1847
Perkins, Lindley Murray, Jr.	1904
*Perot, James Poultney	1841
*Perot, Sansom	Ex—1845
Perry, William Francis	1880
Petry, Loren Clifford	1908
Petry, Robert Lowell	1920
Petty, Herbert Clinton	1899
Pharo, Eugene Morris	1915
Pharo, Joseph John	1865
*Pharo, Walter Willits	1875
Phelps, Charles Edward	1920
Philips, David Leon	1909
Philips, Jesse Duer	1906
Philips, Jesse Evans	1887
Philips, Jesse Evan	1919
Philips, Rowland Stanton	1914
Philips, William Pyle	1902
*(?) Phillips, Albert Shreeve	Ex—1864
Phillips, Alfred Ingersoll, Jr.	1910
Phillips, Arthur John	1903
Phillips, Clifford Stevenson	1908
*(?) Phillips, John Lougeay	Ex—1881
Phillips, John Phillips	1910
Pickett, Samuel Caleb	1913
*Pillcher, Samuel F.	Ex—1857
*Pinkham, Charles Heber	Ex—1894
Pinkham, Gilbert Latey	1868
*Pinkham, John Warren	1860
Pinkham, Joseph Gurney	1863
*Pleasants, Charles Israel	Ex—1860
Pleasants, Henry, Jr.	1906
Poley, Irvin Corson	1912
*Pope, Edward Morrill	Ex—1888

Name	Class
Porch, Willard Ralph	1918
Porter, Edward Arthur Gribbon	1918
Porter, Oliver Moore	1913
Porter, Robert Russell	1920
Post, Levi Arnold	1911
*Potts, William Newlin	1861
*Potts, William Weaver	Ex—1858
Powell, Wilfred Mansell	1904
Powell, William Chambers, Jr.	1909
*Pratt, Charles Edward	1870
Price, Edmund Taber	1917
Price, Ferris Leggett	1920
Price, Joseph Haines	1911
*Price, Joseph M. Paul	Ex—1848
*Price, Richard, Jr.	Ex—1851
Price, Robert Barber	1919
*Price, Stephen Simmons	Ex—1849
Price, Theophilus Pharo	1874
Price, Walter Ferris	1881
* (?) Price, William Ballinger	Ex—1856
Price, William Farmer	1883
Priestman, Albert Glyndon	1905
Pritchard, Charles Edgar	(1890)
Purdy, Ellison Reynolds	1887
*Pusey, William Webb, 2d	1902
*Pyle, Cyrus	Ex—1902
Quimby, Edward Entwisle	1894
*Quinby, Watson Fell	Ex—1843
Rabinowitz, Elias Nathan	1903
Rabinowitz, Samuel Abraham	1910
Raiford, Edward Paul	1909
Ramsey, Frank McCracken	1909
Ramsey, Lawrence Marshall	1917
Randolph, Edward	1882
Randolph, Evan	1901
*Randolph, George	Ex—1839
*Randolph, Richard	1839
Randolph, William Henry	1869
* (?) Ratcliff, Ellwood	Ex—1860
Raub, William Webster	1912
Ravenel, Samuel Prioleau, Jr.	1889
Read, Walter George	1889
Read, William Johns, Jr.	1893
Reagan, William J.	1905
Redfield, Alfred Clarence	1913
Redfield, John Howard, Jr.	1899
*Redman, Joseph Sweet	Ex—1838
*Redman, Samuel Bispham	Ex—1866

Name	Class
*Redmond, Charles Philip	Ex—1848
Reeder, John Wallace	1902
Reese, John Davies	1920
*Reeve, Augustus	Ex—1855
Reeve, Augustus Henry	1885
Reeve, Augustus Henry, Jr.	1918
*Reeve, William Cooper	Ex—1852
Reeve, William Foster	1885
Reeves, Ellis Biddle	1871
Reeves, Francis Butler	1893
*Reid, David J.	1906
Reinhardt, David Jones	1889
Renninger, John Daub	1912
Reynolds, David Duer	1911
*Reynolds, Lindley Murray Hoag	1878
Rex, Frank Clayton	1894
Rhoad, Kenneth Andrew	1912
Rhoads, Charles James	1893
*Rhoads, Edward	1859
*Rhoads, Edward	1893
Rhoads, Joseph	1880
Rhoads, Joseph Howard	1891
Rhoads, Samuel	1898
*Rhoads, William Gibbons	Ex—1858
Rhoads, William Gibbons	1897
Rhodes, Richard Somers Smith	1883
Rice, Edward, Jr.	1914
Richards, Archer	1875
Richards, Elliot Bartram	1906
Richards, Theodore William	1885
<i>Richards, Theodore William</i>	(1908)
Richards, William	1913
Richardson, Baxter Key	1914
Richardson, Francis	1860
*Richardson, Henry Banning	Ex—1865
*Richardson, John D.	Ex—1836
Richie, Elisha Roberts	1899
*Richmond, Alexander A.	Ex—1854
*Richmond, James Henry Crocker	Ex—1854
Ricks, Richard Arnold, Jr.	1907
*Riddick, Joseph H.	Ex—1855
*Riddick, Reuben Briggs	Ex—1855
Ristine, Charles Scott	1910
Ristine, Frederic Pearce	1894
Ritts, Elias	1905
Ritts, Leonard Chase	1912
*Roberts, Alfred Reginald	1871
Roberts, Alfred Stokes	1910
Roberts, Ashbel Sellew	1910
*Roberts, Charles	1864

Name	Class
*Roberts, David Allen	1902
Roberts, Edward Churchman	1865
Roberts, George Brinton	1888
*Roberts, George Wilson	Ex—1852
Roberts, John	1893
Roberts, Joseph Russell Evans	1880
Roberts, Percival, Jr.	1876
*Roberts, Thomas Batten	Ex—1896
Roberts, William Hooten, Jr.	1912
Robinson, Abraham Penrose	1920
Robinson, Herbert Winslow	1882
Robinson, Lucien Moore	(1891)
Robinson, William Henry	1882
Robuck, Pearl Franz	1912
*Rodman, Edmund	1842
*Rodman, Thomas Rotch	1842
Rodney, Warren Brown	1897
Rogers, Charles Henry	1908
*Rogers, James Wadsworth	Ex—1889
Rogers, Robert Groves	1914
Rogers, Robert William	(1890)
Rollins, Carroll Joseph	1920
Rorer, Jonathan Taylor, Jr.	1894
*Rose, David Franklin	1870
Ross, Eldon Roxy	1898
Ross, Robert John	1902
Rosse, George Morton	1913
Rossmassler, Edward Collins	1901
Rossmassler, William Ryle	1907
Round, Julian Mills	1897
*Rowell, John F.	Ex—1855
*Rowntree, Lawrence Edmund	Ex—1916
Rush, Calvin Cicero	1901
Rushmore, Townsend	1882
Rushton, Kenneth, Jr.	1916
Russell, Charles	1914
Russell, Edwin Arthur	1911
Ryan, Thomas Augustine	1909
Sachse, Albert Frederic	1889
Sampson, Alden	1873
*Sampson, Edward Cobb	1859
*Sampson, Elijah Pope	1864
*Sampson, George	1859
*Sampson, Henry	Ex—1859
Sanderson, George	1917
Sands, Ralph William	1906
*Sands, William Leach	Ex—1866
Sandt, Walter Correll	1909
Sangree, Carl Michael	1917
Sangree, Paul Hudson	1914

Name	Class
Sargent, Gorham Parsons	1913
Sargent, Winthrop, Jr.	1908
Satterthwaite, Benjamin Cadwalader	1868
*Satterthwaite, Samuel T.	1858
Savery, William H.	1886
Sayrs, William Christopher	(1890)
Scarborough, Henry Wismer Stover	1894
Scattergood, Alfred Garrett	1898
*Scattergood, Arnold Chase	Ex—1919
Scattergood, Herbert Armitt	1902
Scattergood, Joseph Henry	1896
Schabacker, Harold Messner	1904
Schenck, Henry Paul	1918
Schively, Edwin Ford	Ex—1880
Schober, George Mitchell	1900
Schoch, Wendell Deringer	1917
Schoepperle, Hubert Vinzens	1917
Schoepperle, Richard Joseph	1914
Schoepperle, Victor Franz	1911
Scholey, Howard Wilson	1901
Schrag, Andrew Dante	1902
Schrope, Jacob	1919
Schwartz, John Loeser	1889
Schweyer, Daniel Herbert	1906
Scott, Alexander Harvey	1886
Scott, Carl Forse	1908
Scott, Norris Alexander	1902
Scott, Roderick	1906
Scott, Thomas, Jr.	1863
*Scull, David	1854
*Scull, Edward Lawrence	1864
Scull, Edward Marshall	1901
*Scull, Gideon Delaplaine	Ex—1843
*Scull, Jacob Ridgway	Ex—1853
Scull, John Lawrence	1905
Scull, William Ellis	1883
Seager, Schuyler Fiske	1900
Seckel, Herbert Wetherell	1914
Seely, Leslie Birchard	1905
Seevers, Marion Bruner	1905
Seiler, Carlino Linn	1902
Sellers, Nathan	Ex—1857
Sensenig, Barton	1893
Sensenig, Heber	1900
Sensenig, Wayne	1901
*Serrill, Isaac S.	Ex—1837
Shaffer, Elmer Lentz	1915
*Shannon, John Relph	Ex—1865
*Shapleigh, Norwald	Ex—1906
Sharp, Frederick William	1901
Sharp, Joseph Webster, Jr.	1888

Name	Class
Sharp, Joseph Webster III	1918
Sharples, Abram	1859
*Sharpless, Charles Leeds	1837
*Sharpless, Charles Williams	1867
*Sharpless, Daniel Offley	Ex—1840
Sharpless, Francis Parvin	1916
Sharpless, Frederic Cope	1900
*Sharpless, Henry Hale Graham	1840
*Sharpless, Henry Williams	1865
*Sharpless, Isaac	Ex—1841
Sharpless, Samuel Franklin	1872
Sharpless, Thomas Kite	1909
Sharpless, William Clemson	1896
Shaw, James George, Jr.	1890
Sheldon, Carlos Noyes	1904
Sheldon, Franklin Gates	1906
*Sheldon, George Bertron	Ex—1916
*Shepherd, Caleb William	Ex—1864
*Sheppard, Clarkson	Ex—1836
*Sheppard, John E.	1879
Shero, Lucius Rogers	1911
*Shinn, Samuel Earl	Ex—1847
*Shinn, Thomas Jefferson	Ex—1860
Shipley, James Emlen	1916
Shipley, Malcolm Augustus, Jr.	1899
Shipley, Morris Shotwell, Jr.	1918
Shipley, Thomas Emlen	1912
Shipley, Walter Penn	1881
Shipley, Walter Penn, Jr.	1919
Shipley, William Ellis	1892
Shoemaker, Benjamin Hallowell, 2d	1894
Shoemaker, Comly Bird, 3d	1910
Shoemaker, Edwin	1909
Shoemaker, Howard Hey	1907
*Shoemaker, Samuel Bines	1883
Shoemaker, Walter Rodman	1908
Sholem, Grover	1910
Shortlidge, Raphael Johnson	1906
*Shotwell, Augustus Fox	Ex—1847
*Shotwell, George Fox	Ex—1838
*Shotwell, Joseph Fox	Ex—1847
Shultz, Walter Dexter	1910
Shupert, Charles M.	1889
Sidwell, Wilson	1908
Silver, Francis Stokes	1920
Simkin, Robert Louis	1903
Simpson, William, 3d	1919
Simpson, William Percy	1890
Sisler, Perlee Chandler	1898
Slocum, Allison Wing	1888
Slonimsky, Harry Nahum	1905

Name	Class
*Smiley, Albert Keith	1849
* <i>Smiley, Albert Keith</i>	(1906)
Smiley, Albert Keith, Jr.	1906
*Smiley, Alfred Homans	1849
Smiley, Daniel	1878
Smiley, Francis Gerow	1912
Smiley, Hugh	1908
*Smith, Albanus	Ex—1841
Smith, Albanus Longstreth	1881
Smith, Alfred Percival	1884
*Smith, Barclay Arney	Ex—1838
*Smith, Benjamin Hayes	1859
*Smith, Benjamin Raper	1842
Smith, Charles Harper	1902
*Smith, Clement Lawrence	1860
* <i>Smith, Clement Lawrence</i>	(1888)
*Smith, Dillwyn	Ex—1837
Smith, Edward Lincoln	1920
*Smith, Franklin Whitall	Ex—1874
*Smith, George, Jr.	1865
Smith, Gibson, Jr.	1911
Smith, Lloyd Mellor	1912
Smith, Horace Eugene	1886
Smith, Joseph Hopkinson	1920
*Smith, Lloyd Pearsall	1837
Smith, Logan Pearsall	1885
Smith, Manning James	1905
*Smith, Richard Morris	Ex—1844
Smith, Robert Buoy	1920
Smith, Robert Chapman	1914
*Smith, Robert Pearsall	Ex—1844
*Smith, Stephen Decatur, Jr.	Ex—(1883)
*(?) Smith, Thomas C.	Ex—1860
*Smith, Walter Emanuel	Ex—1889
Smith, William Eastwick	1861
Smith, William Foulke	1877
*Smith, Wilson Longstreth	Ex—1889
*Smyth, Horace	Ex—1864
*Smyth, Lindley, Jr.	Ex—1905
Snader, Edward Roland, Jr.	1917
Snipes, Edgar Thomas	1904
Snowden, James Ross	1903
Sowell, George Aubrey	1915
Spaeth, John William, Jr.	1917
Spaeth, Reynold Albrecht	1909
Spaeth, Sigmund Gottfried	1905
Spaid, Arthur Rusmiselle	(1894)
Spaulding, Eugene Ristine	1910
Spellissy, Arthur Emerson	1917
Spencer, Ebenezer Hall	1911

HAVERFORD COLLEGE

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Name	Class
Spencer, George Henry	1906
Spencer, Horace Fish	1920
Spiers, Alexander Guy Holborn	1902
Spiers, Mark Herbert Carver	1909
Spruance, John Spotswood	1883
*Stabler, Charles Miller	Ex—1874
*Stabler, Thomas S.	Ex—1855
*Stabler, William Davis	Ex—1854
Stadelman, Frederic	1893
*Stadelman, Jacob Latch	Ex—1853
Stair, Philip Whitney	1919
Staley, Herbert Russell	1908
Stanley, Jesse Betts	1918
Stapler, John Wardell	Ex—1843
*Starbuck, Charles Casey	Ex—1845
Starkey, Glenn Wendell	1905
Starkey, Howard Abbott	1883
*Starr, Edward	Ex—1862
Starr, Isaac Tatnall	1886
*Starr, Joseph West	Ex—1858
Starr, Louis	1868
<i>Starr, Louis</i>	(1908)
*Starr, Theodore	Ex—1861
*Statler, Frank B.	(1892)
*Steele, John Dutton	1870
*Steele, Thomas C.	Ex—1859
Steere, Isaac Thomas	1916
Steere, Jonathan Mowry	1890
Steere, Walter Hopkins	1912
Stein, Herman Krokerger	1905
Sterner, Ira Ibson	1898
Stetson, Joseph Van Dusen	1909
Stevens, Lindley Murray	1889
*Stewardson, John	Ex—1847
*Stewardson, Thomas	Ex—1847
Stief, David Ralston	1918
Stieff, Frederick Philip, Jr.	1913
Stinson, James Edme	1913
Stokes, Andrew Maloney	1899
*Stokes, Francis	Ex—1852
Stokes, Francis Collins	1914
Stokes, Francis Joseph	1894
Stokes, Henry Newlin	1878
Stokes, Henry Warrington	1887
Stokes, James Martin, Jr.	1904
*Stokes, John Newton	Ex—1844
Stokes, John Stogdell	1889
Stokes, Joseph, Jr.	1916
Stokes, Joseph Warrington	1909
*Stokes, J. Spencer	Ex—1862
Stokes, N. Newlin, Jr.	1875

Name	Class
Stokes, Samuel Emlen	1914
*Stokes, Wistar H.	Ex—1853
Stone, Albert Hendrix	1916
Stone, Elliott Kays	1905
Stone, John Lyon	1902
Stone, Ralph Warren	1892
Stork, Charles Wharton	1902
Stotesbury, William Alfred	1890
Stout, John Amos	1914
Strassburger, Perry Beaver	1910
Stratton, John Alfred	1906
Strawbridge, Francis Reeves	1898
Strawbridge, Frederic Heap	1887
Strawbridge, Frederic Heap, Jr.	1919
Strawbridge, Justus Clayton, 2d	1917
Strawbridge, Robert Early	1892
*Strawbridge, William Justus	1894
*Street, David	Ex—1858
Street, George	Ex—1856
*Street, John	Ex—1861
*Street, John W.	Ex—1857
*Street, Lewis	Ex—1854
*Street, Ogden	Ex—1856
Stribling, William Clarkson	1908
Strode, George King	1908
*Stroud, Morris Robeson	Ex—1843
*Stroud, William Daniel	1843
Stuart, Francis Bacon	1883
Stuart, Henry Harlan	1900
*Stuart, Jehu Harlan	Ex—1861
Stubbs, Martin Bell	1888
Stubbs, Thomas Hodgson	1919
Sturgis, Samuel Booth	1912
Supplee, William Wagner	1895
Sutton, Chester McKinley	1919
Sutton, Isaac	1885
Sutton, James Edward	1920
Swan, Frederick Asa	1898
Swift, Henry Hinsdale	1865
Swift, Willard Everett	1903
*Swift, William Lane	Ex—1867
Syze, Albert	1898
*Taber, Abraham	Ex—1851
*Taber, Augustus	1842
*Taber, Charles	1839
Taber, David Shearman, Jr.	1894
Taber, John Clarkson	1918
*Taber, Robert Barney	1865
*Taber, William Congdon, Jr.	Ex—1856

Name	Class
Takasaki, Koh Ichi	1888
*Talcott, Joseph D.	Ex—1842
Tang, Man Hoi	1915
*Tanner, Clarence Lincoln	Ex—1887
*Tatham, Henry Billington	Ex—1867
Tatnall, Abram Gibbons	1900
Tatnall, Charles Gibbons	1897
*Tatnall, Edward	Ex—1837
Tatnall, Edward Comfort	1907
Tatnall, Emmett Robinson	1907
Tatnall, Henry Rumsey	1920
Tatnall, Joseph	1913
Tatnall, Robert Richardson	1890
Tatnall, Samuel Alsop	1895
*Tatnall, William	Ex—1842
* (?) Tatum, Charles	Ex—1853
Tatum, George M.	1858
*Tatum, John Cooper	Ex—1854
Tatum, Oliver Parry	1918
*Tatum, Samuel Canby	Ex—1843
Taylor, Albert M.	1914
*Taylor, Augustus	Ex—1854
Taylor, Charles Clifford	1895
Taylor, Charles Shoemaker	1871
Taylor, Edward Ballinger	1869
Taylor, Edward Ballinger, Jr.	1900
Taylor, Francis Richards	1906
Taylor, Frank H.	1876
Taylor, Frederick Raymond	1909
Taylor, Gerard Kirkbride	1913
Taylor, Hamilton Dana	1919
Taylor, Henry Longstreet	1878
Taylor, Herbert Hazzard	1901
Taylor, Herbert William	1914
Taylor, Howard Gardiner	1876
Taylor, Howard Gardiner, Jr.	1911
Taylor, James Gurney	1893
*Taylor, Joseph B.	Ex—1842
Taylor, Joseph McFerran	1900
*Taylor, Joseph Petty	Ex—1855
Taylor, Joseph Wright	1898
Taylor, Kempton Potter Aiken	1915
*Taylor, Lewis Alfred	1876
Taylor, Norman Henry	1913
*Taylor, Thomas Chalkley	Ex—1854
Taylor, William Jordan	1897
*Taylor, William Shipley	1869
Tebbetts, Charles Edwin	1875
Tebbetts, J. Walter	(1911)
Teller, Chester Jacob	1905

Name	Class
Terrell, Charles Clayton	1907
*Terrell, Charles Ernest	(1890)
Terrell, Paul Tasso	(1897)
*Test, Zaccheus	1851
*Tevis, Alfred Collins	1890
*Tevis, Edwin L.	Ex—1858
*Tevis, Norman	Ex—1858
Thacher, Frank William	1897
Thacher, John Wilkins	1918
Theis, Grover Cleveland	1915
Thiers, Frank Harrison	1916
Thomas, Allen Clapp	1865
Thomas, Allen Curry	1895
*Thomas, Bond Valentine	1883
Thomas, Charles Yarnall	1871
Thomas, Cleaver Shoemaker	1919
Thomas, Edward	1897
*Thomas, Evan	Ex—1857
Thomas, Frank Snowden	1894
Thomas, Fred Throckmorton	1907
Thomas, George, 3d	1891
Thomas, George Brinton	1856
Thomas, George Herbert	1902
*Thomas, Henry Evan	1895
Thomas, Henry M.	1882
Thomas, Henry Malcolm, Jr.	1912
Thomas, Howard Pitner	1905
*Thomas, James Carey	1851
Thomas, James Carey, 2d	1908
Thomas, John Clapp	1861
*Thomas, John J.	(1877)
*Thomas, John Mickle Whitall	1878
Thomas, John Roberts	1904
*Thomas, Jonas Preston	Ex—1864
Thomas, Leonard Van Hoesen	1915
Thomas, Lester Ralston	1913
*Thomas, Lewin Wethered	Ex—1856
*Thomas, Richard Henry	1872
Thomas, Russell Elmslie	1901
*Thomas, William Ashbridge, Jr.	Ex—1843
*Thomas, William Richard	Ex—1855
Thompson, Charles Baker	1909
Thompson, David Allen	1868
Thompson, Frank Earle	1889
*Thompson, James Beatin	1874
(?)*Thompson, John James, Jr.	Ex—1877
*Thomson, Edgar Lewis	Ex—1858
Thorn, Henry Norman	1904
*Thorne, Barton F.	Ex—1856
*Thorne, Edwin	Ex—1843
*Thorne, Jonathan, Jr.	Ex—1863

Name	Class
Thornton, Percy Stokes	1918
Thorpe, Clinton Clement Hancock.....	1920
Thorpe, Edward Sheppard	1918
Thorpe, Elmer Hancock	1919
Thurber, Charles Herbert	(1890)
Thurston, Edward Day	1871
*Thurston, Joseph D.	Ex—1840
*Thurston, William Richardson	Ex—1862
*Thurston, William Richardson, Jr.....	Ex—1837
*Tillinghast, Joseph	Ex—1853
Tilney, Israel Sheldon	1903
*Tilney, Nicholas Lechmere	Ex—1905
Todd, Henry Arnold	1891
*Todhunter, Layton Wilson	1889
Tomlinson, Albert Hibbs	1918
Tomlinson, Alexander Cooper	1901
*Tomlinson, Allen Josiah	Ex—1871
Tomlinson, Benjamin Albert	1869
*Tomlinson, Edwin	Ex—1861
*Tomlinson, Ephraim, Jr.	Ex—1867
*Tomlinson, Julius Lines	1873
<i>*Tomlinson, Julius Lines</i>	<i>(1885)</i>
*Tomlinson, Samuel Finley	1868
Tomlinson, Thomas	1914
Tomlinson, Willard Pyle	1910
*Tomlinson, William Inskeep	Ex—1859
*Toms, Richard H. R.	Ex—1863
Toogood, Granville Ernest	1920
Tostenson, Frederick Oscar	1911
Totah, Selim	1915
Towle, Clifton Augustus	1898
Townsend, Alfred James	1918
*Townsend, Clayton William	Ex—1880
Townsend, Horace Raymond	1910
Townsend, Wilson	1877
<i>*Trimble, Henry</i>	<i>(1895)</i>
*Trimble, William Webster	1887
Troth, John Theodore	1908
*Troth, John Trimble	Ex—1853
*Troth, Samuel	Ex—1854
*Trotter, Charles West	Ex—1844
*Trotter, Francis Laurie	Ex—1886
*Trotter, Frederick Newbold	Ex—1887
Trotter, Joseph	1874
*Trotter, Newbold Hough	Ex—1844
*Trotter, Walter Newbold	Ex—1875
*Trotter, William Henry	Ex—1841
Trout, Edgar Earl	1902
Trueblood, Charles Kingsley	1914
Trueblood, Howard Moffitt	1903
Trueblood, Ralph Waldo	(1905)

Name	Class
Tucker, Benjamin	1857
Tunis, Joseph Price	1886
Tunis, Richard	1912
Tunney, Joseph John	1906
Turner, Charles Brinkley	1915
*Tyler, John Edgar	Ex—1863
Tyler, William Graham	1858
*Tyson, Isaac	Ex—1853
*Tyson, James	1860
*Tyson, James	(1908)
*Tyson, James Wood	Ex—1845
Tyson, James Wood, Jr.	1884
*Tyson, Jesse	Ex—1844
*Tyson, John Snowden	Ex—1853
Tyson, Richard Wood	Ex—1844
Ufford, Charles Wilbur	1920
Uhler, Harvey Thomas	1890
*Underhill, Alfred Mott	1886
*Underhill, Edmund B.	Ex—1853
*Underhill, Edward B.	Ex—1860
*Underhill, George W.	Ex—1843
*Underhill, Joseph Turner	Ex—1886
*Underhill, Robert	Ex—1846
*Underhill, Robert F.	Ex—1853
Underhill, Robert Lindley Murray	1909
*Underhill, Silas Albertson	1860
Underhill, Stephen	1858
*Underhill, William Henry	Ex—1860
*Underhill, William W.	Ex—1843
*Updegraff, David Brainard	Ex—1853
*Updegraff, William Ross	Ex—1880
Vail, Benjamin Augustus	1865
Vail, Frederic Neilson	1889
*Vail, George Requa	Ex—1881
Vail, Herbert Eli	1883
*Vail, Hugh D.	(1858)
*Vail, John Randolph	Ex—1881
Vail, Walter Elwood	1915
*Valentine, Abram Sharpless	Ex—1857
*Valentine, Benjamin Eyre	1866
*Valentine, Bond	Ex—1856
Valentine, Edward Abram Uffington	1891
*Valentine, George	Ex—1856
Valentine, George, Jr.	1891
*Valentine, Jacob Downing	Ex—1846
Valentine, John Reed	1890
*Valentine, Robert	Ex—1846
*Valentine, Samuel Rhoads	Ex—1857
*Valentine, William Thomas	Ex—1857

Name	Class
Van Buskirk, George	1916
Van Hollen, Donald Beauchamp	1915
Van Noppen, Leonard Charles	(1893)
Van Sickle, John Valentine	1913
Van Sickle, Schuyler Curtis	1920
Varney, Alpheus Gould	1898
Varney, Charles Arthur	1898
Vaux, George, Jr.	1884
*Vaux, Roberts	Ex—1863
*Vaux, William Sansom, Jr.	1893
Veeder, Herman Greig	1889
Vernon, John Jesse	1898
Villars, John Oscar	(1895)
Votaw, Ernest Nicholson	1915
Votaw, George Joseph	1912
Wadsworth, Charles, 3d	1911
Wadsworth, Edward Dorland	1886
Wagner, Samuel, Jr.	1915
Walenta, George John	1901
Walker, Frank Dinwiddie	1894
*Walker, Robert	Ex—1849
*Walker, Thomas	Ex—1849
Wallerstein, Edward, Jr.	1912
Waln, Yvo Orestes	1915
Walter, Frank Keller	1899
*Walton, Ernest Forster	1890
*Walton, Francis	Ex—1855
*Walton, Isaac M.	Ex—1856
*Walton, James M.	1856
*Walton, Joseph	1836
Walton, Joseph James	1919
*Walton, William Kite	Ex—1869
Waples, Douglas	1914
Warden, Herbert Watson	1894
Warden, Nelson Bushnell	1894
*Warder, William	Ex—1841
Warner, Alexander Nes	1907
Warner, George Malin	1873
Warner, William Wetherby	1909
Warnock, Aaron Degrau	1909
*Warrington, Curtis Hoopes	Ex—1874
*Warrington, Samuel Abbott	Ex—1903
Warrington, Thomas Francis	1876
*Watkins, James Carey Thomas	Ex—1897
Watson, Edgar Jordan	1915
Watson, John Norris	1913
Watson, Matthew Herbert	1909
*Way, Marshall Warren	1896
*Weaver, Thomas	Ex—1852
Webb, John Richard	(1917)

Name	Class
Webb, Kenneth Waldie	1918
Webb, William	1913
Weber, George Minch	1913
*Webster, Homer Jephtha	1896
*Webster, I. Herbert	Ex—1901
Webster, Walter Coates	1895
Webster, William Dampier	1915
Weikel, Malcolm Husted	1915
Weller, Henry Seymour	1917
Wells, Bert Calvin	1904
Wendell, Douglas Cary	1916
Wendell, Robert Stewart	1901
Wescott, Eugene Marion	1893
West, Erwyn Porter	1904
West, William Nelson Loflin	1892
Westcott, Harry Mackmann	1892
Weston, Edward Mitchell	1917
Wetherell, John McIlvane	1883
Wetzel, Charles Howard	1912
Wheeler, Guy Samuel	1912
Wheeler, Victor Wayne	1905
Whipple, Paul Kimball	1915
*Whitall, Franklin	1893
*Whitall, James	1852
Whitall, James	1910
Whitall, John Mickle	1880
*Whitall, Thomas Wistar	Ex—1885
Whitall, William Henry Bacon	1914
White, David Francis	1876
*White, Elias Albertson	1841
White, Elias Henley	1885
*White, Francis	1843
White, Francis Albertson	1884
*White, George Wilson	1878
White, Henry Alva	1897
*White, Irving	1903
White, Joseph Dixon	1920
White, Linden Harris	1900
White, Lyndon Lea	1905
White, Miles, Jr.	1875
White, Oliver H.	1878
White, Richard Janney	1887
*White, Roy Wilson	(1895)
*White, Thomas Newby	Ex—1880
White, Walter	1881
White, Wilfred Wallace	1900
White, Wilfred Walton	1886
White, William Alpheus	1883
White, William Alpheus, Jr.	1915
Whitely, Stockett Mathews	1902
Whitlock, James Gilbert	1869

Name	Class
Whitney, Charles Henry	1883
Whitney, John Drayton	1891
Whitney, Louis Butler	1883
Whitson, Thomas Barclay	1917
Whitson, Walter Wilkin	1908
*Whittier, John Greenleaf	(1860)
Wickersham, William Frederick	1885
*Wigham, Thomas Matthew	Ex—1844
*Wilbur, Harry Lawrence	Ex—1883
Wilbur, William Hale	1911
Wilcox, William W., Jr.	1920
Wild, Arthur Clement	1899
Wilder, Donald	1913
* (?) Wildes, Thomas	Ex—1859
*Willets, Jeremiah, Jr.	Ex—1846
*Willets, John Titus	Ex—1854
*Willets, William Henry	Ex—1862
Williams, Charles Rhoads	1914
*Williams, Horace	1862
Williams, John Steele	1920
*Williams, Joseph Kirkbride	Ex—1840
Williams, Parker Shortridge	1894
Williams, William Lloyd Garrison.....	1910
*Wills, Joseph Henry	1868
Wills, William Mintzer	1904
Wilson, Calvert	1887
Wilson, Edwin Mood	(1894)
Wilson, Francis Stirling	1917
Wilson, James Gordon	1917
Wilson, John French	1910
Wilson, Louis Round	1899
*Wilson, Matthew Terrell	1885
Wilson, Robert North	1898
Wilson, Samuel Norman	1903
Windle, William Butler	1907
*Wines, Gilbert H.	Ex—1846
Wing, Stephen Remington	1908
*Winslow, Caleb	1842
Winslow, Caleb	1911
Winslow, Edwards Fayssoux	1913
Winslow, Fitz Randolph	1903
Winslow, George Leiper	1913
Winslow, John Leiper	1901
*Winslow, John Randolph	1840
Winslow, Oliver Parry	1916
Winslow, Randolph	1871
Winslow, Thomas Newby	1881
*Winston, John Clark	1881
Winston, Lindley Murray	1882
Wirgman, William Wayne	1901
*Wistar, Bartholomew	Ex—1870

Name	Class
*Wistar, Bartholomew Wyatt	1837
*Wistar, Caleb Cresson	1865
*Wistar, Caspar	Ex—1852
*Wistar, Caspar	Ex—1902
Wistar, Edward Morris	1872
Wistar, Isaac Jones	1844
Wistar, John	1867
*Wistar, Richard	Ex—1838
*Wistar, Thomas	1858
Wistar, Thomas, Jr.	1898
*Wistar, William Wilberforce	Ex—1856
Withers, Samuel Clayton	1904
*Witmer, Adam Exton	Ex—1867
Witmer, John Steele	1859
Wood, Adelbert Day	1913
Wood, Alexander Cooper, Jr.	1902
Wood, Arnold	1894
Wood, Charles	1870
Wood, Charles Randolph	1888
Wood, Edward Randolph	1856
Wood, George	1862
*Wood, George Bacon	Ex—1848
*Wood, George Bacon	1887
Wood, George Hallock	1907
Wood, Gilbert Congdon	1889
Wood, Grahame	1895
Wood, Henry	1869
*Wood, Isaac Francis	1862
Wood, James	1858
Wood, James	(1883)
Wood, James Henry	1893
*Wood, Joseph	Ex—1846
Wood, Joseph Densmore	1916
*Wood, Joseph Remington	1892
Wood, Levi Hollingsworth	1896
*Wood, Randolph	1864
*Wood, Richard	Ex—1846
*Wood, Richard	1851
Wood, Richard Davis	1898
*Wood, Stephen	1857
*Wood, Stuart	1870
Wood, Walter	1867
Wood, Walter	1869
Wood, Walter Hallock	1901
Wood, William Congdon	1887
*Wood, William Cooper	Ex—1857
*Wood, William Eldridge	Ex—1844
*Wood, William H. S.	Ex—1859
Woodard, Raymond Clarence	1908
Woodbridge, Raymond Lester	1916
Woodward, Parke Lewis	1902

Name	Class
*Woodward, Thomas, Jr.	Ex—1866
Woodward, William Wellington	1901
Woolman, Edward	1893
Woosley, John Brooks	1913
Worrell, Granville, 2d	1920
Worthington, Harold	1911
Worthington, Joseph Kent	1903
Worthington, Thomas Kimber	1883
*Wright, Benjamin H.	Ex—1844
Wright, Edwin	1908
Wright, Gifford King	1893
*Wright, John Howard	Ex—1847
*Wright, Robert Cassel	Ex—1888
Wright, William Jenks	1918
Wright, William Townsend	1887
*Yardley, Edwin	Ex—1860
Yarnall, Charlton	1884
*Yarnall, Ellis	(1879)
*Yarnall, Ellis Hornor	1858
*Yarnall, Francis Cope	Ex—1847
*Yarnall, Harold Ellis	Ex—1887
*Yarnall, Stanley Rhoads	1892
*Yarnall, William	Ex—1837
Yearsley, Arthur Ralston	1901
Yocum, Charles Crawford	1900
York, Harold Quimby	1917
Young, Alan Sedgwick	1911
Young, Charles Otis	1913
Young, Frank Levi	1887
Young, Walter Albert	1906
Young, Wilmer Job	1911
Zerega, John Whitman	1917
Zieber, Eugene Ray	1910
Zook, Allan	1920
Zook, Charles Augustus Bitner	1901
Zook, John Miller	1864

THOMAS WISTAR BROWN GRADUATE SCHOOL INDEX

For addresses, see page 81

Name.	Year of Degree.
Baker, Margaret Elizabeth	1920
Coble, Lovella Ruth	1920
Dann, Robert Horniman	1918
Gifford, Eleanor May	1918
Kissick, William Perry	1920
Lassiter, Maude Elizabeth	1920
Marshall, Eva Rae	1919
Marshall, Franklin Osbun	1918
Michener, Grace Ellen	1919
Ratliff, Alice	1919
Wager, Paul Woodford	1920
White, Mildred Esther	1920
Wickersham, Evangeline Belle	1920

THE CORPORATION
OF
HAVERFORD COLLEGE

REPORTS OF
PRESIDENT OF THE COLLEGE
TREASURER OF THE CORPORATION

PRESENTED AT THE ANNUAL MEETING
TENTH MONTH 11, 1920

HAVERFORD, PA.

CORPORATION

President

ASA S. WING.....409 Chestnut St., Phila.

Secretary

J. STODDELL STOKES.....Summerdale, Phila.

Treasurer

J. HENRY SCATTERGOOD.....648 Bourse Building, Phila.

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Term Expires 1921

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THOMAS F. BRANSONRosemont, Pa.

SETH K. GIFFORDMoses Brown School, Providence, R. I.

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DANIEL SMILEYMohonk Lake, N. Y.

WILLARD E. SWIFT5 Massachusetts Ave., Worcester, Mass.

Term Expires 1922

GEORGE VAUX, JR.1606 Morris Building, Phila.

FREDERIC H. STRAWBRIDGE801 Market St., Phila.

JONATHAN M. STEEREGirard Trust Co., Phila.

L. HOLLINGSWORTH WOOD20 Nassau St., New York, N. Y.

STANLEY RHOADS YARNALL....Gun. Ave. and Coulter St., Gtn., Phila.

HENRY M. THOMAS1228 Madison Ave., Baltimore, Md.

WILLIAM WISTAR COMFORTHaverford, Pa.

RICHARD M. GUMMERE8 South Twelfth St., Phila.

Term Expires 1923

WILLIAM H. HAINES.....1136 Ridge Ave., Phila.

FRANCIS A. WHITE607 Keyser Building, Baltimore, Md.

JOHN M. WHITALL410 Race St., Phila.

MORRIS E. LEEDS4901 Stenton Ave., Germantown, Phila.

EDWARD W. EVANS304 Arch St., Phila.

HENRY COPEAwbury, Germantown, Phila.

T. CHALKLEY PALMERR. F. D. No. 2, Media, Pa.

RICHARD D. WOOD626 Chestnut St., Phila.

ASA S. WING, *President*409 Chestnut St., Phila.

MORRIS E. LEEDS, *Secretary*4901 Stenton Ave., Gtn., Phila.

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FREDERIC H. STRAWBRIDGE	J. STOGDELL STOKES

Committee on Finance and Investments

WILLIAM H. HAINES	CHARLES J. RHOADS
FRANCIS A. WHITE	JONATHAN M. STEERE

Committee on Accounts

J. STOGDELL STOKES	EDWARD W. EVANS
JONATHAN M. STEERE	

Committee on College Property and Farm

FREDERIC H. STRAWBRIDGE	ABRAM F. HUSTON
JOHN M. WHITALL	DANIEL SMILEY
T. CHALKLEY PALMER	

The President of the Corporation is *ex-officio* a member of all standing committees.

FACULTY*

WILLIAM WISTAR COMFORT, PH.D., LITT.D., LL.D.,
President, and Dean of the Thomas Wistar Brown Graduate School

ALLEN CLAPP THOMAS, A.M.,
Professor of History, *Emeritus*, and Consulting Librarian

LYMAN BEECHER HALL, PH.D.,
John Farnum Professor of Chemistry, *Emeritus*

ALBERT SIDNEY BOLLES, PH.D., LL.D.,
Lecturer on Commercial Law and Banking, *Emeritus*

HENRY SHERRING PRATT, PH.D.,
David Scull Professor of Biology

JAMES ADDISON BABBITT, A.M., M.D.,
Professor of Hygiene and Physical Education

RUFUS MATTHEW JONES, LITT.D., D.D.,
Professor of Philosophy

DON CARLOS BARRETT, PH.D.,
Professor of Economics

LEGH WILBER REID, PH.D.,
Professor of Mathematics

FREDERIC PALMER, JR., PH.D.,
Dean and Professor of Physics

* Arranged in order of appointment to present rank.

FACULTY

WILLIAM EDWARD LUNT, PH.D.,
Walter D. and Edith M. L. Scull Professor of English
Constitutional History

ELIHU GRANT, PH.D.,
Professor of Biblical Literature

*RAYNER WICKERSHAM KELSEY, PH.D.,
Professor of History

WALTER SWAIN HINCHMAN, A.M.,
Francis Barton Gummere Professor of English

LEON HAWLEY RITTENHOUSE, M.E.,
Associate Professor of Engineering

ALBERT HARRIS WILSON, PH.D.,
Associate Professor of Mathematics

FRANK DEKKER WATSON, PH.D.,
Associate Professor of Sociology and Social Work

DEAN PUTNAM LOCKWOOD, PH.D.,
Librarian and Associate Professor of Latin

OSCAR MARSHALL CHASE, S.M.,
Registrar and Assistant Professor of Drawing

EDWARD DOUGLAS SNYDER, PH.D.,
Assistant Professor of English

WILLIAM BUELL MELDRUM, PH.D.,
Assistant Professor of Chemistry

*Absent on leave.

FACULTY

JAMES MCFADDEN CARPENTER, JR., A.M.,
Instructor in Romance Languages

LEVI ARNOLD POST, A.M., B.A.,
Instructor in Greek

JOHN ALEXANDER KELLY, PH.D.,
Instructor in German

JOHN SAEGER BRADWAY, A.M., LL.B.,
Lecturer on Contracts

HELEN SHARPLESS,
Assistant Librarian

JOHN OTTO RANTZ,
Assistant in the Engineering Laboratory

EDGAR BALDWIN GRAVES, A.B.,
Assistant in Physics

JOSEPH DIXON WHITE, S.B.,
Assistant in Chemistry

HERBERT WILLIAM TAYLOR, A.B., M.D.,
Assistant in Physical Training

ARLINGTON EVANS,
Assistant in Physical Training

PRESIDENT'S REPORT

College has opened this year with an attendance of 209. There are 59 Freshmen; 9 new students have entered with advanced standing from other colleges. This is the largest number of undergraduates Haverford has ever received, and all accommodations are filled at the present time.

On First month 16, 1920, ex-President Isaac Sharpless, a member of this Board, died at his home on the College grounds. At a special meeting of the Board, held First month 21, the following minute was adopted:

MINUTE ADOPTED BY THE BOARD OF MANAGERS OF THE CORPORATION OF HAVERFORD COLLEGE, FIRST MONTH 21, 1920

In the Eleventh month, 1916, in accepting the resignation of Isaac Sharpless as President, we attempted a summary of the results of the molding influence of his great personality on Haverford and Haverfordians through the forty-one years of his association with the College, and expressed the hope that he might have many years of well-earned leisure to prosecute the studies he loved, and that as a clear thinker, wise counselor and scholarly writer he might long continue to serve Haverford and the larger community which recognized his leadership. That hope has, in point of time, had but meager fulfilment. In a little over two years since the relinquishment of his active duties as President, death claimed him on the 16th of this month, and thus terminated forty-four years of active service to the College. He has been regularly at our meetings, including the one held at the College over two months ago, when, in addition to the Board meeting, he attended two committee meetings before it, the dinner with the Faculty following, then a meeting of the Executive Committee, and after that continued in informal discussion with his friends. This was the last time he was with us, and although visibly weakened by the heart trouble to which he has succumbed, he showed

HAVERFORD COLLEGE

continually his characteristic solicitude for Haverford's highest welfare and was throughout the tiring series of meetings the wise, genial man whose memory we shall always cherish with affection.

Most of the members of this Board were his pupils, to whom he never ceased to be the beloved and much respected master. We found that those qualities which commanded our high regard for him as a teacher made him a most admirable co-worker. He was just, simple, sincere, wise, tolerant, a keen judge of men, unswerving in following the right as he saw it; never insistent that his plans should be followed if they did not commend themselves to others; never sparing himself when there was work for him to do. Devoutly religious, without narrowness, he was an admirable interpreter and exemplar of a high type of Christianity. He was a delightful companion, dispensing from the rich storehouse of his mind shrewd, humorous and kindly comment on men and events. For the privilege of having known him intimately we are profoundly grateful, and we extend to his family our most sincere sympathy in their great bereavement.

Richard Mott Gummere, of the Class of 1902, was elected a member of the Board in Tenth month, 1919.

The elective courses in English literature, formerly conducted by Professor Francis B. Gummere, have been conducted during the past year by the following visiting lecturers, whose services have been much enjoyed by the College community: Christopher Morley (1910), of the *Evening Public Ledger*; John S. P. Tatlock, of Stanford University; Frank Aydelotte, of the Massachusetts Institute of Technology; E. K. Broadus, of the University of Alberta; James Holly Hanford, of the University of North Carolina; G. R. Elliott, of Bowdoin College, and Austin K. Gray, of Jesus College, Cambridge.

At the Fifth month meeting appointment was made of Walter Swain Hinchman (Haverford, A.B., 1900; A.M., 1901; Harvard, A.B., 1901) as the first Francis Barton Gummere Professor of English. Since 1906 W. S. Hinchman has

PRESIDENT'S REPORT

been head of the Department of English at Groton School, Massachusetts. He has studied abroad and has written extensively upon educational and literary subjects.

D. P. Lockwood, Associate Professor of Latin, has been made Librarian. Professor Rayner W. Kelsey has been granted leave of absence for the year 1920-21. Thomas K. Brown, Jr., Assistant Professor of German, having resigned in Ninth month, 1919, his classes were conducted by Walter A. Hildreth, A.M., throughout the year. In Fifth month, 1920, the Board appointed John A. Kelly Instructor in German for 1920-21. Edgar B. Graves (Haverford, 1919) has been appointed Instructor in Physics and Joseph D. White (Haverford, 1920), Assistant in Chemistry. With these exceptions noted, there have been no changes in the Faculty of the College during the past year.

For the current year plans have been made for the participation of all our students in some form of organized athletics, in the hope that the physical conditions of all concerned may be permanently benefited. Under Professor James A. Babbitt's oversight and control an adequate staff of coaches and instructors has been engaged, and a serious effort will be made to train and develop in each branch of sport those individuals who need or desire physical development. Our playing fields are sufficiently large to enable us to handle more men in this way than would be possible at most institutions. If the experiment proves successful, Haverford will have a definite place for athletics in the program of all its students.

The past year is memorable for the formation of the Alumni Advisory Council of seven members and the beginning of its co-operation with the Board of Managers. The existence of this Council, with one of its members sitting upon invitation with the Board, provides for a healthy share in the sense of

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responsibility for the welfare of the College, and for the realization of its ideals. The Board and the Council alike were impressed a year ago with the expediency of providing at once a larger endowment for the increase of Faculty salaries. During the last autumn preparations were made to bring this matter before all the matriculates and friends of the College. A committee was formed, of which a member of the Board is chairman, and an office was opened at the College for the transaction of the necessary correspondence. It was thought that \$500,000 was the minimum amount of new endowment funds which should be sought. The major part of this sum has been pledged, with the helpful support of the General Education Board, and it is confidently expected that the sum desired will be completed during the next few months. In the belief that Haverfordians everywhere would wish to see the Faculty of the College unhampered to prosecute its purpose under favorable conditions, the Board has voted a new scale of salaries according to academic grade, which goes into effect the present year, and marks a decided advance towards better compensation. According to this scale professors will receive a minimum salary of \$5,000; associate professors, \$4,000; assistant professors, \$3,000; and instructors less than \$3,000, depending upon experience and length of service.

The tuition in the College has been increased for the year 1920-21 from \$150, where it has long stood, to \$200, making the total charges \$500 to \$650, according to the rooms occupied. The cost, however, of such items as provisions, coal, repairs, and wages has increased of late out of all proportion to any increase made in student charges, and it will be necessary to consider in the immediate future an increase in our charge for board and rooms.

As a partial offset to the increased costs in which students

PRESIDENT'S REPORT

find themselves compelled to share, it is gratifying to note that our scholarship funds are well maintained. It is believed that these funds have enabled us to assist substantially all deserving students who found themselves embarrassed by the rising cost of higher education. Two gifts referred to here have been particularly welcome in this connection:

Edward M. Wistar (Class of 1872) and his wife, Margaret C. Wistar, have founded the Caspar Wistar Memorial Scholarship Fund by a gift of \$5,000 in memory of their son, Caspar Wistar, of the Class of 1902, who died in Guatemala in 1917 while engaged in mission service in that country. This scholarship is intended "primarily for sons of parents engaged in Christian service, including secretaries of Young Men's Christian Associations, or students desiring preparation for similar service, in America or in other countries."

From Walter Brinton (Class of 1881) there has been received a fund of \$5,000 to form the Walter Carroll Brinton Memorial Fund for scholarships. This fund is given by the family of the late Walter Carroll Brinton, of the Class of 1915, who died in France while a member of the American Friends' Reconstruction Unit.

From the family of Edmund Morris Fergusson, Jr. (Class of 1920), who died in the College Infirmary in Fifth month, 1920, there has been received the sum of \$1,000 to constitute the Edmund Morris Fergusson Junior Memorial Fund for the maintenance and increase of the Haverford College Library's Department of English and American Literature.

In Eleventh month, 1919, William H. Collins retired as Superintendent of Grounds and Buildings and was succeeded by R. J. Johnston, who is now serving as General Manager of the entire College property. It is believed that by his appointment the advantages of combining in one person the responsi-

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bilities connected with the College and with the Farm have become evident and that a distinct step forward has been taken toward the efficient management of the physical property of the corporation.

The report of work done at the Morris Infirmary for the year 1919-20 is as follows:

Dispensary patients (medical)	1,123
Dispensary patients (surgical)	917
Total	2,040

Ailments are classified as follows:

General	303
Upper respiratory	290
Fractures	6
Suture cases	10

The record of house patients is as follows:

Cases admitted	134
Total time	713 days

Ailments are classified as follows:

Grippe	39
Intestinal	12
Joint conditions	20

One general operation and four local operations were performed. One death occurred in the Infirmary.

During the year ending Ninth month 30, 1920, there were added to the Library 2,980 volumes, of which 1,510 were bought, 905 were gifts, 144 were periodicals and pamphlets bound, and 204 were from the United States Government "on deposit," making the total number of volumes in the Library at the above date 81,036.

During the year 12,172 volumes were withdrawn for use

PRESIDENT'S REPORT

outside the building. Of this number 7,905 (including "overnight books") were withdrawn by students, 2,743 by members of the Faculty and others connected with the College, and 1,524 by residents on the College grounds and others.

The following lectures outside of the regular course have been given during the year :

Haverford Library Lectures:

"The Finding of a Nation's Soul," by Dr. Francis G. Peabody, of Harvard University.

Twelfth month 4, 1919.

"The Saving of a Nation's Soul," by Dr. Francis G. Peabody, of Harvard University.

Twelfth month 5, 1919.

Other Lectures:

"Impressions of the Peace Conference," by Professor William E. Lunt, of Haverford College.

Twelfth month 11, 1919.

"Work Among the Fisher Folk on the Labrador," by Dr. Wilfred T. Grenfell.

Tenth month 27, 1919.

"Heroic and Agonized Serbia," by Major and Canon E. Sidney Savage, of Hexam Abbey, Northumberland.

Twelfth month 7, 1919.

"Chaucer's People," by Professor John S. P. Tatlock, of Leland Stanford Jr. University.

Twelfth month 16, 1919.

"Baghdad, Baku and Central Persia, by Caravan" (illustrated), by Mr. Harold F. Weston.

Twelfth month 18, 1919.

HAVERFORD COLLEGE

"Anglo-American Relations," by Mr. Alexander F. Whyte.

Second month, 1920.

"Experiences Behind the Turkish Lines in the Great War," by Mr. Daniel Oliver.

Second month 17, 1920.

"The English Poet Laureateship," by Dr. E. K. Broadus, of the University of Alberta.

Third month 4, 1920.

"The Poetry of Robert Frost," by Professor George R. Elliott, of Bowdoin College.

Third month 24, 1920.

"Through China to the Roof of the World" (illustrated), by President Joseph Beech, of West China Union University.

Third month 25, 1920.

Two Interclass Debates:

An extemporaneous debate between Sophomores and Freshmen, for the Everett Society Medals, on the proposition: "*Resolved*, That Haverford students should participate in intercollegiate debates."

A debate between Seniors and Juniors for the Alumni Prizes, on the proposition: "*Resolved*, That the United States should accept the responsibilities and obligations stated in Article X of the League of Nations."

Fourth month 15, 1920.

Commencement Day:

Commencement exercises in Roberts Hall, with address by Dr. William Herbert Perry Faunce, President of Brown University.

Sixth month 11, 1920.

The death of Isaac Sharpless in First month, 1920, directed the attention of the Board to the organization of the Thomas Wistar Brown Graduate School. Since its establishment in 1917, ex-President Sharpless had directed much time and thought to the interests of this new School, and had acted as

PRESIDENT'S REPORT

its Dean from the time of his retirement from the presidency of the College until his death. The Executive Committee of the Board having been requested to express its judgment regarding the future organization and administration of the School made the following report to the Board in Third month, 1920:

"Carrying out your instructions, the following plan for the year 1920-21 has been adopted by the Executive Committee. The plan has been worked out with the co-operation of the President of the College and the members of the Faculty who are immediately concerned. While following in general the line adopted by President Sharpless, some minor changes have been made in the execution of his program, which, it is hoped, will meet some criticism which had developed during the first three years of the School's existence. The intention is to watch for two or three years the effect of encouraging quality rather than quantity. Other plans will still be open for trial if this fails to produce the desired results for Quakerism in America.

"The plan is as follows:

"1. To distinguish more completely between the Graduate School and the College, by removing all students in the Graduate School from undergraduate classes, by publishing a separate announcement of the Graduate School, by listing students of the School under the brief statement of the School in the Catalogue, and by a separate bestowal of degrees at Commencement, but continuing for graduate students the privileges of the Library and of public lectures.

"2. To offer six scholarships of \$300 each, covering all necessary expenses, intended primarily for Friends (three of which are available at present for women, if such candidates

HAVERFORD COLLEGE

apply), the same to be graduates of recognized colleges; all applications for scholarships to be accompanied by full academic record and standing, and at least three letters in testimony of character and purpose, which applications shall be considered Fifth month 1st by a Faculty committee of three. All scholarship holders to be regarded as candidates only for the Master's degree, which they may receive in one or two years, according to their ability to meet the standards required for the same degree in Haverford College.

"3. The curriculum of the School to be specifically announced in advance and to consist of work appropriate for graduate students and related to subjects indicated by the donor, under the care of an organized committee. The course might be regarded primarily as a course in reading under the guidance of lecturers, leading to formal examinations and theses. Lecturers for any given year are to be detailed from the College Faculty or called from other institutions for special service. No extra compensation should be allowed to the regular staff of the College, but suitable provision should be made on the College schedule to permit of such service. The responsible Faculty of the Graduate School should consist of those College professors giving instruction in any given year. The Moses Brown Fund should be used in the College budget approximately on the basis of proportion to services rendered to the Graduate School. The services of temporary lecturers, secured especially for the Graduate School, should, however, be available for the College when desired, without cost to the latter.

"4. There should be constituted a consultation sub-committee of four managers, who should keep themselves in touch with the welfare of the Graduate School.

PRESIDENT'S REPORT

"5. The President of the College shall be the executive head of the Graduate School."

The report was accepted and approved.

On motion, the President appointed Charles J. Rhoads, John M. Whittall, J. Henry Scattergood and Morris E. Leeds a committee of the Managers to have oversight of the Thomas Wistar Brown Graduate School.

W. W. COMFORT.

Haverford, Pa., Tenth month, 1920.

PUBLICATIONS OF THE FACULTY

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Athletic Number, Haverford College Bulletin, Vol. XVIII, No. 5, May, 1920.

COMFORT, WILLIAM W.—*Notes on Old French Similes of the Chase*. Modern Language Notes, Vol. XXXV, No. 6, June, 1920, pp. 340-346.

GRANT, ELIHU.—*The Orient in Bible Times*. J. B. Lippincott Co., Philadelphia, 1920, pp. 336.

Deborah's Oracle. American Journal Semitic Languages and Literatures, Vol. XXXVI, No. 4, July, 1920, pp. 295-301.

HINCHMAN, W. S.—*Neighborhood English Clubs*. The English Leaflet, Vol. XIX, No. 165, October, 1919, pp. 1-7.

Dead Culture and Live Business. The Review, Vol. 2, No. 45, March 20, 1920, pp. 290-294.

Universal Training. The Review, Vol. 2, No. 49, April 17, 1920, pp. 412-415.

English Grammar Schools. The Review, Vol. 2, No. 53, May 15, 1920, pp. 523-524.

Teachers' Salaries. The Review, Vol. 2, No. 55, May 29, 1920, pp. 580-582.

Colleges and Propaganda. The Weekly Review, Vol. 3, No. 71, September 22, 1920, p. 239.

JONES, RUFUS M.—*The Story of George Fox*. Macmillan and Co., New York, 1919, pp. xii and 169.

The Remnant, Swarthmore Press, London, 1920, pp. 163.

PUBLICATIONS

Service of Love in War Time, pp. xv and 284. Macmillan and Co., New York, 1920.

The Nature and Authority of Conscience. Swarthmore Press, London, 1920, pp. 75.

The Autobiography of George Fox, New Edition. Pennsbury Series, Philadelphia, 1920, pp. 584.

Die Lehre der Quäker, a translation of "Quakerism, a Religion of Life." Religiöse Gesellschaft der Freunde, Berlin, 1920, pp. 16.

A monthly editorial in the *London Friend*.

A leading article each month in the *Homiletic Review* of New York City.

KELSEY, RAYNER W.—*At the Forks of the Delaware*. New Era Company, Lancaster, 1920, pp. 18.

Review of *The Red Man's Continent*. *American Historical Review*, Vol. XXV, No. —, January, 1920, pp. 293-294.

Review of "Friends in America." *Bulletin of Friends' Historical Society*, Vol. 9, No. 3, May, 1920, pp. 136.

Editor of "Proceedings (1919) History Teachers' Association of Middle States and Maryland." New Era Co., Lancaster, 1919.

A Problem of History Teaching. Proceedings of History Teachers' Association of Middle States and Maryland, 1919, pp. 43-45.

LOCKWOOD, DEAN P.—*The Limitations of Latin Poetry*. Transactions and Proceedings of American Philological Association, Vol. 50, 1919, pp. XIII-XIV.

HAVERFORD COLLEGE

MELDRUM, W. BUELL.—*The Determination of Chlorine with the Nephelometer.* Journal of the American Chemical Society, Vol. XLII, No. 2, February, 1920, pp. 251-359.

RITTENHOUSE, LEON H.—Discussion on "Vocational Intelligence Testing." Proceedings of Society for the Promotion of Engineering Education, Vol. XXVII, 1919, pp. 141-142.

Advantages of 50-Degree and 40-Degree Motors. Electrical World, Vol. 76, No. 3, July, 1920, pp. 125.

SNYDER, EDWARD D.—*The Wild Irish, A Study of Some English Satires against the Irish, Scots, and Welsh.* Modern Philology, Vol. XVII, April, 1920, pp. 687-725.

Review of George Pierce Baker's "Dramatic Technique," Modern Language Notes, Vol. XXXV, No. 1, January, 1920, pp. 48-50.

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THOMAS, ALLEN C.—Book Reviews, Bulletin Friends' Historical Society, Vol. 9, No. 2, November, 1920, pp. 62-65.

Book Reviews, Bulletin Friends' Historical Society, Vol. 9, No. 3, May, 1920, pp. 130-135.

History of the Friends in America, 5th Edition, Reviewed and Enlarged. The John C. Winston Co., Philadelphia, 1919, pp. 285.

SUMMARY OF THE ACCOUNT OF

J. HENRY SCATTERGOOD, Treasurer of

THE CORPORATION OF HAVERFORD

COLLEGE

For the year ending Eighth month 31, 1920

RECEIPTS

Income from Funds for General Purposes:

General Endowment Fund	\$4,947.15
John Farnum Memorial Fund	1,940.22
John M. Whitall Fund	474.81
David Scull Fund	2,002.14
Edward L. Scull Fund	538.42
Wistar Morris Memorial Fund	231.11
Israel Franklin Whitall Fund	498.48
Jacob P. Jones Endowment Fund	56,049.71
John Farnum Brown Fund	12,190.87
Ellen Waln Fund	513.23
Clementine Cope Endowment Fund	1,072.62
Nathan Branson Hill Fund	2.99
Joseph E. Gillingham Fund	2,520.09
Henry Norris Fund	237.18
Elizabeth H. Farnum Fund	499.79
James R. Magee Fund	422.74
Albert K. Smiley Fund	44.81
Hinchman Astronomical Fund	524.72
Walter D. and Edith M. L. Scull Fund	6,504.77
Albin Garrett Memorial Fund	1,016.67
Arnold C. Scattergood Memorial Fund	1,249.50
Isaac Sharpless Memorial Fund	8.20
	<hr/>
	\$93,490.22

*Income from Fund for Thomas Wistar Brown
Graduate School:*

Moses Brown Fund	17,383.78
	<hr/>
Forward	\$110,874.00

HAVERFORD COLLEGE

<i>Income from Funds for Morris Infirmary:</i>		Forward..	\$110,874.00
Infirmary Endowment Fund		\$460.58	
John W. Pinkham Fund		222.91	
<i>Income from Fund for Haverford Union:</i>			683.49
Haverford Union Fund			52.10
<i>Income from Funds for Scholarships:</i>			
Thomas P. Cope Fund	\$277.74		
Edward Yarnall Fund	357.13		
Isaiah V. Williamson Fund	912.40		
Richard T. Jones Scholarship Fund	184.13		
Mary M. Johnson Scholarship Fund	380.38		
Sarah Marshall Scholarship Fund	348.71		
Clementine Cope Fellowship Fund	1,143.89		
Isaac Thorne Johnson Scholarship Fund....	247.28		
<i>Income from Funds for the Library:</i>			3,851.66
Alumni Library Fund	\$814.44		
Mary Farnum Brown Library Fund	3,570.01		
William H. Jenks Library Fund	244.00		
Mary Wistar Brown Williams Library Fund	909.79		
Anna Yarnall Fund	424.66		
<i>Income from Funds for Pensions:</i>			5,962.90
President Sharpless Fund	\$2,152.93		
William P. Henszey Fund	1,795.07		
Jacob P. Jones Benefit Fund	3,032.45		
Pliny Earle Chase Memorial Fund	214.36		
Haverford College Pension Fund	2,632.83		
<i>Income from Funds for Special Purposes:</i>			9,827.64
Thomas Shipley Fund	\$229.64		
Elliston P. Morris Fund	46.85		
John B. Garrett Reading Prize Fund	4.07		
Special Endowment Fund	490.00		
Elizabeth P. Smith Fund	45.40		
Scholarship Improvement Prize Fund	98.00		
S. P. Lippincott History Prize Fund	98.00		
Francis Stokes Fund	208.24		
George Peirce Fund	26.95		
			1,247.15
Total Income from all the Funds		Forward...	\$132,498.94

TREASURER'S REPORT

Forward	\$132,498.94
<i>Income from College Sources:</i>	
Board and Tuition—	
Cash	\$78,667.70
Scholarships and Fellowships ..	14,150.00
	<hr/> \$92,817.70
Board and Tuition, 1920-1921	3,075.00
Board of Professors	1,165.93
Rents	5,180.97
Infirmary	1,110.60
Library	430.51
Stationery	2,006.52
Farm, net gain	768.06
	<hr/> \$106,555.29
Receipts for account of previous years	1,752.66
Income from College Lane Houses, applied to reduction of the College debt	6,200.00
<i>Donations:</i>	
For Isaac Sharpless Hall	\$170.00
Isaac Sharpless Hall Equipment	3,303.30
Class of 1893 Fund Equipment	120.83
Class of 1892 Fund Equipment	415.00
Library	10.00
New York State Scholarship	280.00
Maryland Scholarship	40.00
Grenfell Lecture	100.00
Extension Committee	275.98
Prizes	65.00
Special Salary for Professors, 1918-1919	1,154.90
	<hr/> 5,935.01
<i>Additions to the Funds:</i>	
Edward Yarnall Fund (Easton & Amboy bonus)	\$27.71
Alumni Library Fund (Easton & Amboy bonus)	69.28
	<hr/>
Forward	\$96.99 252,941.90

HAVERFORD COLLEGE

Forward	\$96.99	252,941.90
Israel Franklin Whitall Fund (Easton & Amboy bonus)	221.68	
Jacob P. Jones Endowment Fund (Easton & Amboy bonus)	\$110.84	
Less costs on real estate.....	94.75	
	<hr/>	16.09
John Farnum Brown Fund (Easton & Amboy bonus)	138.55	
President Sharpless Fund (Easton & Amboy bonus)	83.13	
William P. Henszey Fund (Easton & Amboy bonus)	41.56	
Anna Yarnall Fund (realization in investments)	444.17	
W. D. and E. M. L. Scull Fund (additions from Executor)	5,310.00	
George Peirce Fund (additional from Donors)	400.00	
Francis B. Gummere Memorial Fund (New)	99,775.50	
F. B. Gummere Library Fund (New)	625.47	
Isaac Sharpless Memorial Fund (New)	11,040.50	
Caspar Wistar Memorial Scholarship Fund (New)	5,000.00	
Edmund Morris Fergusson Jr. Memorial Fund (New)	800.00	
Haverford Union Fund (New)	1,678.59	
	<hr/>	\$125,672.23
Income credited to Contingent Account.....	2,501.69	
Money borrowed temporarily	126,050.00	

Investments paid off:

General Endowment Fund	\$3,250.00
Edward Yarnall Fund	3,000.00
John Farnum Memorial Fund	4,000.00
David Scull Fund	1,500.00
Mary Farnum Brown Library Fund	8,000.00

Forward \$19,750.00 507,165.82

TREASURER'S REPORT

Forward	\$19,750.00	507,165.82
Jacob P. Jones Endowment Fund	120,775.00	
John Farnum Brown Memorial Fund	2,800.00	
President Sharpless Fund	4,500.00	
Haverford College Pension Fund	2,000.00	
Hinchman Astronomical Fund	4,993.75	
Walter D. and Edith M. L. Scull Fund	1,870.00	
John B. Garrett Reading Prize Fund	100.00	
Isaac Sharpless Memorial Fund	45.18	
		<hr/> 156,833.93
<i>Balances Eighth month 31, 1919:</i>		
In President's hands	\$5,000.00	
In Treasurer's hands	2,538.00	
		<hr/> 7,538.00
		<hr/> <hr/> \$671,537.75

EXPENDITURES

Expenses of running the College:

Salaries	\$80,443.31
Provisions	37,543.59
Wages	21,472.97
Family Expenses and Furniture	8,065.92
Fuel and Lights (this is in addition to \$10,449.63 for coal bought in advance and paid for in previous year)	8,916.31
Lawn and Garden	5,742.31
Infirmery	1,872.41
Library	291.17
Biological Laboratory	512.34
Chemical Laboratory	152.13
Physical Laboratory	308.80
Machine Shop and Drawing Room	377.59
Gymnasium and Athletics	3,086.92
Printing and Advertising	1,701.86
	<hr/> \$170,487.63
Repairs and Improvements	12,762.07
	<hr/>
Forward	\$183,249.70

HAVERFORD COLLEGE

Forward	\$183,249.70
Additional cost of Teachers' Cottage Equipment	150.00
Alterations to President Comfort's House	2,330.00
Interest	\$5,569.87
Taxes	5,987.32
Insurance	2,883.55
Incidentals	707.95
	<hr/>
	15,148.69

For Thomas Wistar Brown Graduate School:

Expenses other than salaries from income of Moses Brown Fund	8,390.40
	<hr/>

Total expenses of running the College.....\$209,268.79

For Scholarships and Fellowships:

From income General Endowment Fund....	\$900.00
From income Thomas P. Cope Fund	350.00
From income Edward Yarnall Fund	400.00
From income Isaiah V. Williamson Fund ...	1,300.00
From income Richard T. Jones Scholarship Fund	200.00
From income Mary M. Johnson Scholarship Fund	600.00
From income Sarah Marshall Scholarship Fund	400.00
From income Jacob P. Jones Endowment Fund	9,200.00
From income Joseph E. Gillingham Fund ..	800.00
From income Clementine Cope Fellowship Fund:	

One Fellowship at Harvard.....\$500.00
Less amount returned because of
death.. .. 50.00

\$450.00

One Fellowship at Massachusetts
Institute of Technology..... 500.00

950.00

15,100.00

Forward\$224,368.79

TREASURER'S REPORT

<i>Expenditures from Library Fund:</i>	Forward . . .	\$224,368.79
Books, etc., from income Alumni Library Fund and Donation		\$723.24
Special cataloguing work from income Alumni Library Fund		200.00
Books, etc., from income Mary Farnum Brown Library Fund		2,882.97
Lectures from income Mary Farnum Brown Library Fund		350.00
Books, etc., from income William H. Jenks Library Fund		162.15
Books, etc., from income Mary Wistar Brown Williams Library Fund		795.40
Taxes paid from income Anna Yarnall Fund .		426.35
Books, etc., from income W. D. & E. M. L. Scull Fund		238.52
		<hr/>
<i>Pensions:</i>		5,778.63
Annuity from income Pliny Earle Chase Memorial Fund		\$100.00
Pensions		7,877.00
		<hr/>
		7,977.00
<i>Expenditures for Special Purposes:</i>		
Lectures from income Thomas Shipley Fund		\$950.00
Prizes from income Scholarship Improvement Prize Fund		95.00
Prizes from income John Farnum Brown Fund		90.21
Prize from income George Peirce Fund		25.00
Trees and shrubs from income Francis Stokes Fund		139.00
		<hr/>
		1,299.21
<i>Paid out of Special Donations:</i>		
For Isaac Sharpless's Hall		\$19.19
Isaac Sharpless Hall equipment		10,961.33
Special Salary Bonus for Professors, 1918-1919		5,448.00
Grenfell Lecture		100.00
Extension Committee		291.98
Prizes		55.00
		<hr/>
		16,875.50
Forward		<hr/>
		\$256,299.13

HAVERFORD COLLEGE

Forward	\$256,299.13
Coal purchased for account 1920-1921	9,578.48
Temporary Loans paid off, using funds awaiting investment	126,950.00

Investments made or donated:

General Endowment Fund	\$16,344.55
Isaiah V. Williamson Fund	3,003.75
John Farnum Memorial Fund	5,465.98
Richard T. Jones Scholarship Fund.....	3,003.75
David Scull Fund	1,805.00
Edward L. Scull Fund	1,810.57
Mary Farnum Brown Library Fund	914.74
Jacob P. Jones Endowment Fund	88,260.43
John Farnum Brown Fund	1,894.20
Jacob P. Jones Benefit Fund	5,488.47
Haverford College Pension Fund	8,195.97
Mary Wistar Brown Williams Library Fund	914.74
Moses Brown Fund	892.95
Hinchman Astronomical Fund	5,141.15
Walter D. and Edith M. L. Scull Fund	6,000.00
George Peirce Fund	1,000.00
Haverford Union Fund	1,000.00
Caspar Wistar Memorial Scholarship Fund.	5,000.00
Francis B. Gummere Memorial Fund	98,245.00
Isaac Sharpless Memorial Fund	7,487.40
Edmund Morris Fergusson Jr. Memorial Fund	300.00
	<hr/>
	262,168.65

Accrued interest paid in excess of income thus far collected:

Francis B. Gummere Memorial Fund.....	.35
---------------------------------------	-----

Balances Eighth month 31, 1920:

In President's hands.....	\$3,500.00
In Treasurer's hands	13,041.14
	<hr/>
	16,541.14
	<hr/>
	\$671,537.75
	<hr/>

FINANCIAL STATEMENT

For the year ending Eighth month 31, 1920

Expenses of running the College, as per the foregoing statement of the Treasurer	\$209,268.79
Coal for 1919-1920 bought last year in advance	10,449.63
	<hr/>
	\$219,718.42
Net cash receipts for board and tuition, rents, and from all other sources connected with the business of the College	92,135.29
	<hr/>
Leaving a deficiency of	\$127,583.13
Income from investments and donations applicable to Scholarships and running expenses	111,669.74
	<hr/>
Net deficiency for the year	\$15,913.39

STATEMENT OF DEBT

The debt of the Corporation Eighth month 31, 1919 was..	\$137,769.71
It has been increased during the year:	
By deficiency as per financial statement.....	15,913.39
	<hr/>
	\$153,683.10
It has been reduced during the year:	
By receipts on account of previous years...	\$1,752.66
By Sinking Fund payments from income of College Lane Houses	6,200.00
	<hr/>
	7,952.66
Making the debt Eighth month 31, 1920	\$145,730.44
Due as follows:	
On demand loans	00.00
Net amount due the Funds	\$145,730.44

HAVERFORD COLLEGE

The above debt was incurred as follows:

For double dwelling on College Lane.....	\$14,500.00
For "Leavenworth House" on College Avenue	1,750.00
For steam heating plant and underground conduits ...	12,615.49
For Lloyd Hall	16,353.30
For Merion Cottage	15,259.91
For three houses on College Avenue	22,991.75
For alteration to President Comfort's house	2,330.00
For deficits in College work less receipts from right of way and sinking fund (\$6,200.00)	59,929.99

\$145,730.44

being \$7,960.73 more than reported one year ago.

REPORT ON EACH FUND

GENERAL ENDOWMENT FUND

Established 1847, and increased from time to time since

Par value of invested funds	\$103,050.00
Principal uninvested	3,743.77
<hr style="width: 20%; margin-left: auto; margin-right: 0;"/>	
Total fund	\$106,793.77
Income received during the year	4,947.15
Paid for general College expenses	4,947.15

JOHN FARNUM MEMORIAL FUND

*Established 1878, increased by Legacy of Elizabeth H. Farnum in
1899*

Par value of invested funds	\$42,300.00
Principal uninvested	32.73
<hr style="width: 20%; margin-left: auto; margin-right: 0;"/>	
Total fund	\$42,332.73
Income received during the year	1,940.22
Paid toward support of Chair endowed by this fund ...	1,940.22

TREASURER'S REPORT

JOHN M. WHITALL FUND

Founded in 1880

Par value of invested funds	\$11,000.00
Principal uninvested	12.59
<hr/>	
Total fund	\$11,012.59
Income received during the year	474.81
Appropriated for salaries	474.81

DAVID SCULL FUND

Founded 1885

Par value of invested funds	\$48,200.00
Principal uninvested	154.84
<hr/>	
Total fund	\$48,354.84
Income received during the year	2,002.14
Appropriated for salaries	2,002.14

EDWARD L. SCULL FUND

Founded 1885

Par value of invested funds	\$12,100.00
Principal uninvested	289.63
<hr/>	
Total fund	\$12,389.63
Income received during the year	538.42
Appropriated for salaries	538.42

WISTAR MORRIS MEMORIAL FUND

Founded 1892

Par value of invested funds	\$5,000.00
Principal uninvested	261.74
<hr/>	
Total fund	\$5,261.74
Income received during the year	231.11
Appropriated for salaries	231.11

HAVERFORD COLLEGE

ISRAEL FRANKLIN WHITALL FUND

Founded 1896

Par value of invested funds	\$12,500.00
Amount uninvested	310.17
<hr/>	
Total fund	\$12,810.17
Income received during the year	498.48
Appropriated for salaries	498.48

JACOB P. JONES ENDOWMENT FUND

Founded 1897

Par value of invested funds	\$980,050.00
Amount uninvested	83,338.93
<hr/>	
Total fund	\$1,063,388.93
Income received during the year	56,049.71
Appropriated for scholarships	\$9,200.00
Appropriated for general expenses	46,849.71
<hr/>	
	56,049.71

This fund also owns 12.463 acres of land in West Philadelphia.

**JOHN FARNUM BROWN FUND FOR THE STUDY OF THE
BIBLE, BIBLICAL HISTORY AND LITERATURE,
PHILOSOPHY AND KINDRED SUBJECTS**

Founded 1900 and increased later

Par value of invested funds	\$283,000.00
Amount uninvested	3,572.00
<hr/>	
Total fund	\$286,572.00
Income received during the year	12,190.87
Income appropriated for salaries	\$10,881.57
Income paid for prizes	90.21
Income transferred to principal	1,219.09
<hr/>	
	12,190.87

TREASURER'S REPORT

ELLEN WALN FUND

Founded 1900

Par value of invested funds	\$11,000.00
Amount uninvested	239.60
<hr/>	
Total fund	\$11,239.60
Income received during the year	513.23
Income appropriated for general expenses	513.23

CLEMENTINE COPE ENDOWMENT FUND

Founded 1904

Par value of invested funds	\$31,000.00
Amount uninvested	108.75
<hr/>	
Total fund	\$31,108.75
Income received during the year	1,072.62
Income appropriated for general expenses	1,072.62

NATHAN BRANSON HILL TRUST

Fund established in 1904, held in Trust by Minneapolis Trust Company, Minneapolis, Minn.

Income received during the year	\$10.16
Income appropriated for general expenses	10.16

JOSEPH E. GILLINGHAM FUND

Founded 1907

Par value of invested funds	\$54,000.00
Amount uninvested	61.39
<hr/>	
Total fund	\$54,061.39
Income received during the year	2,520.09
Income appropriated for scholarships	\$800.00
Income appropriated for general expenses ..	1,720.09
<hr/>	
	2,520.09

HAVERFORD COLLEGE

HENRY NORRIS FUND

Founded 1907

Par value of invested funds	\$6,000.00
Amount uninvested	48.70
<hr/>	
Total fund	\$6,048.70
Income received during the year	237.18
Income appropriated for general expenses	237.18

ELIZABETH H. FARNUM FUND

Founded 1891

The principal of this Fund is held in trust by The Provident Life and Trust Company of Philadelphia. The first income accrued to the College in 1914.

Par value of invested funds	\$10,000.00
Amount uninvested	220.00
<hr/>	
Total fund	\$10,220.00
Income received during the year	499.79
Income appropriated for general expenses	499.79

JAMES R. MAGEE FUND

Founded 1915

Par value of invested funds	\$10,500.00
Principal uninvested	274.37
<hr/>	
Total fund	\$10,774.37
Income received during the year	422.74
Income appropriated for general expenses	422.74

ALBERT K. SMILEY FUND

Founded 1915

Par value of invested funds	\$1,000.00
Principal uninvested	17.50
<hr/>	
Total fund	\$1,017.50
Income received during the year	44.81
Income appropriated for general expenses	44.81

TREASURER'S REPORT

THE HINCHMAN ASTRONOMICAL FUND

Founded 1917

Par value of invested funds	\$11,000.00
Amount uninvested	40.10
<hr/>	
Total fund	\$11,040.10
Income on hand at beginning of year	\$1,342.45
Income received during the year	524.72
<hr/>	
	1,867.17
Income appropriated for salary of Astronomical professorship	1,867.17

WALTER D. AND EDITH M. L. SCULL FUND

Founded 1918 by legacies from Walter D. and Edith M. L. Scull

Par value of invested funds	\$75,585.00
Amount uninvested	17,673.11
<hr/>	
Total fund	\$93,258.11
Income received during the year	\$6,504.77
Appropriated for salary and books, etc.	5,238.52
<hr/>	
Balance of income on hand	\$1,266.25

ALBIN GARRETT MEMORIAL FUND

Founded 1919

Amount uninvested	\$25,000.00
Income received during the year	341.67
Income appropriated for general purposes	341.67

ARNOLD CHASE SCATTERGOOD MEMORIAL FUND

Founded 1919

Par value of invested funds	\$30,000.00
Income received during the year	1,249.60
Income appropriated for salaries	1,249.60

HAVERFORD COLLEGE

FRANCIS B. GUMMERE MEMORIAL FUND

Founded 1920. This fund is new this year

Par value of invested funds	\$98,510.00
Principal uninvested	1,530.50
<hr/>	
Total fund	\$100,040.50
Accrued interest paid in excess of income received....	.35

ISAAC SHARPLESS MEMORIAL FUND

Founded 1920. This fund is new this year

Par value of invested funds	\$7,640.00
Principal uninvested	3,598.28
<hr/>	
Total fund	\$11,238.28
Income received during the year	8.20
Appropriated for salaries	8.20

MOSES BROWN FUND

Trust founded by T. Wistar Brown in 1906 and transferred to the College in 1916

Par value of invested funds	\$395,000.00
Amount uninvested	2,271.34
<hr/>	
Total fund	\$397,271.34
Income received during the year	17,383.78
Appropriated for salaries	\$7,275.50
Appropriated for extra teaching	125.00
Appropriated for salary bonus, 1918-19	200.00
Appropriated for lectures at College	224.50
Appropriated for lectures in conjunction with Philadelphia Yearly Meeting Social Order Committee	900.00
Appropriated for School of Oriental Research	100.00
Appropriated for rent	1,000.00
<hr/>	
Forward	\$9,825.00

TREASURER'S REPORT

Forward	\$9,825.00	
Appropriated for insurance	187.55	
Appropriated for household expenses	5,563.76	
Appropriated for printing and advertising .	89.59	
		<hr/>
Total expenditures	\$15,665.90	
Transferred to principal	1,717.88	
		<hr/>
		17,383.78

INFIRMARY ENDOWMENT FUND

Founded 1911

Par value of invested funds	\$9,750.00	
Amount uninvested .....	.94	
		<hr/>
Total fund	\$9,750.94	
Income received during the year	460.58	
Income appropriated to maintenance of Infirmary	460.58	

JOHN W. PINKHAM FUND

Founded 1911

Par value of invested funds	\$5,000.00	
Amount uninvested	59.50	
		<hr/>
Total fund	\$5,059.50	
Income received during the year	222.91	
Income appropriated to maintenance of Infirmary	222.91	

HAVERFORD UNION FUND

Founded 1920. This fund is new this year

Par value of invested funds	\$1,000.00	
Principal uninvested	678.59	
		<hr/>
Total fund	\$1,678.59	
Income received during the year	52.10	
Appropriated to maintenance of the Union	52.10	

HAVERFORD COLLEGE

THOMAS P. COPE FUND

Founded 1842

Par value of invested funds	\$6,000.00
Principal uninvested	142.69
<hr/>	
Total fund	\$6,142.69
Income on hand at beginning of the year ...	\$183.00
Income received during the year	277.74
<hr/>	
	460.74
Paid for Thomas P. Cope Scholarship	350.00
<hr/>	
Income on hand at end of year	\$110.74

EDWARD YARNALL FUND

Founded 1860

Par value of invested funds	\$3,500.00
Principal uninvested	3,054.60
<hr/>	
Total fund	\$6,554.60
Paid for Edward Yarnall Scholarships	400.00
Income on hand at beginning of year	\$15.01
Income received during the year	357.13
<hr/>	
	372.14
<hr/>	
Income overspent at end of year	\$27.86

ISAIAH V. WILLIAMSON FUND

Founded 1876 and increased 1883

Par value of invested funds	\$22,300.00
Principal uninvested	197.38
<hr/>	
Total fund	\$22,497.38
Income overspent at beginning of year	\$41.39
Paid for I. V. Williamson Scholarships	1,300.00
<hr/>	
	1,341.39
Income received during the year	912.40
<hr/>	
Income overspent at end of year	\$428.99

TREASURER'S REPORT

RICHARD T. JONES SCHOLARSHIP FUND

Founded by Will of Jacob P. Jones, 1885

Par value of invested funds	\$5,000.00
Principal uninvested	56.25
<hr/>	
Total fund	\$5,056.25
Income on hand at beginning of year	\$61.94
Income received during the year	184.13
<hr/>	
	\$246.07
Paid for Richard T. Jones Scholarship	200.00
Income on hand at end of year	46.07

MARY M. JOHNSON SCHOLARSHIP FUND

Founded 1897

Par value of invested funds	\$8,000.00
Amount uninvested	604.85
<hr/>	
Total fund	\$8,604.05
Paid for Mary M. Johnson Scholarships	600.00
Income on hand at beginning of year	\$86.53
Income received during the year	380.38
<hr/>	
	466.91
Income overspent at end of the year	\$133.09

SARAH MARSHALL SCHOLARSHIP FUND

Founded 1897

Par value of invested funds	\$7,500.00
Amount uninvested	519.99
<hr/>	
Total fund	\$8,019.99
Income on hand at beginning of the year ...	\$76.72
Income received during the year	348.71
<hr/>	
	425.43
Paid for Sarah Marshall Scholarships	400.00
<hr/>	
Income on hand at end of the year	\$25.43

HAVERFORD COLLEGE

CLEMENTINE COPE FELLOWSHIP FUND

Founded 1899

Par value of invested funds	\$25,100.00
Amount uninvested	517.93
	<hr/>
Total fund	\$25,617.93
Income on hand at beginning of the year ...	\$1,608.31
Income received during the year	1,143.89
	<hr/>
	2,752.20
Paid for Clementine Cope Fellowships:	
One at Harvard	\$500.00
Less returned because of death	50.00
	<hr/>
	\$450.00
One at Mass. Inst. of Technology ..	500.00
	<hr/>
	950.00
	<hr/>
Income on hand at end of year	\$1,802.20

ISAAC THORNE JOHNSON SCHOLARSHIP FUND

Founded 1916

Par value of invested funds	\$5,000.00
Amount uninvested	56.25
	<hr/>
Total fund	\$5,056.25
Income on hand at beginning of year	\$503.87
Income received during the year	247.28
	<hr/>
Income on hand at end of year	\$751.15

CASPAR WISTAR MEMORIAL SCHOLARSHIP FUND

Founded 1920. This fund is new this year

Par value of invested funds	\$5,000.00
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TREASURER'S REPORT

ALUMNI LIBRARY FUND

Established by the Alumni Association, 1863

Par value of invested funds		\$18,550.00
Principal uninvested		669.78
Total fund		<u>\$19,219.78</u>
Paid for books, etc.	\$733.24	
Paid for special cataloguing work	200.00	
		<u>923.24</u>
Income on hand at beginning of year	\$88.79	
Income received during the year	814.44	
Special donation for the Library	10.00	
		<u>913.23</u>
Income overspent at end of year		\$10.01

MARY FARNUM BROWN LIBRARY FUND

Founded 1892

Par value invested funds		\$85,000.00
Amount uninvested		8,586.19
Total fund		<u>\$93,586.19</u>
Income overspent at beginning of year	\$293.38	
Income appropriated for books, etc.	2,882.97	
Income appropriated for lectures	350.00	
Income transferred to principal account	43.66	
		<u>3,570.01</u>
Income received during the year		3,570.01

WILLIAM H. JENKS LIBRARY FUND

Founded 1910

Par value of fund, all invested		\$5,000.00
Income on hand at beginning of the year ...	\$35.96	
Income received during the year	244.00	
		<u>279.96</u>
Income used for purchase of books, etc.		162.15
Income on hand at end of year		<u>\$117.81</u>

HAVERFORD COLLEGE

MARY WISTAR BROWN WILLIAMS LIBRARY FUND

Founded 1914

Par value of invested funds	\$20,000.00
Amount uninvested	250.74
<hr/>	
Total fund	\$20,250.74
Income received during the year	909.79
Income overspent at beginning of year.....	\$5.97
Income appropriated for books, etc.	795.40
<hr/>	
	801.37
<hr/>	
Income on hand at end of year	\$108.42

ANNA YARNALL FUND

Founded 1916

Par value of invested funds	\$8,000.00
Amount uninvested	988.28
<hr/>	
Total fund	\$8,988.28
Income on hand at beginning of year	\$259.42
Income received during year	424.66
<hr/>	
	684.08
Paid for taxes	426.35
<hr/>	
Income on hand at end of year	\$257.73

This fund also owns one-half interest in seventy-three acres in Delaware County, Pennsylvania.

F. B. GUMMERE LIBRARY FUND

Founded 1920. This fund is new this year

Principal uninvested	\$625.47
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EDMUND MORRIS FERGUSSON JR. CLASS OF 1920 MEMORIAL FUND

Founded 1920. This fund is new this year

Par value of invested funds	\$300.00
Amount uninvested	500.00
<hr/>	
Total fund Eighth month 31, 1920	\$800.00

TREASURER'S REPORT

PRESIDENT SHARPLESS FUND

Founded 1907

Par value of invested funds	\$40,500.00
Amount uninvested	4,851.16

Total fund	\$45,351.16
Income received during year	2,152.93
Income transferred to Haverford College Pension Fund.	2,152.93

WILLIAM P. HENSZEY FUND

Founded 1908 by gift. Increased 1909 by legacy

Par value of invested funds	\$36,500.00
Principal uninvested	192.16

Total fund	\$36,692.16
Income received during the year	1,795.07
Income transferred to Haverford College Pension Fund.	1,795.07

JACOB P. JONES BENEFIT FUND

*Founded 1909 from proceeds of land sold for account Jacob P. Jones
Legacy*

Par value of invested funds	\$66,450.00
Amount uninvested	596.24

Total fund	\$67,046.24
Income received during the year	3,032.45
Income transferred to Haverford College Pension Fund.	3,032.45

PLINY EARLE CHASE MEMORIAL FUND

Founded 1909

Par value of invested funds	\$4,300.00
Amount uninvested	90.24

Total fund	\$4,390.24
Income received during the year	214.36
Income paid to annuitant	\$100.00
Income transferred to Haverford College Pension Fund	114.36

214.36

HAVERFORD COLLEGE

HAVERFORD COLLEGE PENSION FUND

*Founded 1910 and added to since from accumulations of unused
Income from the different Pension Funds*

Par value of invested funds	\$61,100.00	
Principal uninvested	104.46	
		<hr/>
Total fund		\$61,204.46
Income received during the year	\$2,632.83	
Income transferred from other Pension Funds	7,094.81	
		<hr/>
		9,727.64
Appropriated for Pensions	\$7,877.00	
Income added to principal	1,850.64	
		<hr/>
		9,727.64

THOMAS SHIPLEY FUND

Founded 1904

Par value of invested funds	\$5,000.00	
Amount uninvested	225.00	
		<hr/>
Total fund		\$5,225.00
Income on hand at beginning of the year ...	\$864.62	
Income received during the year	229.64	
		<hr/>
		1,094.26
Income appropriated for lectures		950.00
		<hr/>
Income on hand at end of year		\$144.26

ELLISTON P. MORRIS FUND

Founded 1906

Par value of invested funds	\$1,000.00	
Amount uninvested	188.75	
		<hr/>
Total fund		\$1,188.75
Income on hand at beginning of year	\$233.13	
Income received during the year	46.85	
		<hr/>
Income on hand at end of the year		279.98

TREASURER'S REPORT

JOHN B. GARRETT READING PRIZE FUND

Founded 1908

Par value of invested funds, less paid on account (in default)	\$1,900.00
Amount uninvested	100.00
<hr/>	
Total fund	\$2,000.00
Income received during the year	4.07
Income on hand at end of the year	4.07

SPECIAL ENDOWMENT FUND

Founded 1909

Par value of funds, all invested	\$12,000.00
Income on hand at beginning of the year ...	\$13.21
Income received during the year	490.00
<hr/>	
Income on hand at end of year	503.21

SCHOLARSHIP IMPROVEMENT PRIZE FUND

Founded 1913

Par value of funds, all invested	\$2,000.00
Income on hand at beginning of the year ...	\$12.00
Income received during the year	98.00
<hr/>	
	110.00
Income appropriated for prizes	95.00
<hr/>	
Income on hand at end of the year	\$15.00

ELIZABETH P. SMITH FUND

Founded 1915

Par value of invested funds	\$1,000.00
Principal uninvested	32.00
<hr/>	
Total fund	\$1,032.00
Income on hand at beginning of the year ...	\$162.93
Income received during the year	45.40
<hr/>	
Income on hand at end of the year	208.33

HAVERFORD COLLEGE

S. P. LIPPINCOTT HISTORY PRIZE FUND

Founded 1917

Par value of funds, all invested	\$2,500.00
Income on hand at beginning of year	\$15.00
Income received during year	98.00
<hr/>	
Income on hand at end of year	143.00

FRANCIS STOKES FUND

Founded 1919

Par value of invested funds	\$5,000.00
Income on hand at beginning of year	\$98.98
Income received during the year	208.24
<hr/>	
	307.22
Appropriated for trees and shrubs on the College lawn..	139.00
<hr/>	
Income on hand at end of year	\$168.22

GEORGE PEIRCE PRIZE FUND

Founded in 1919. Increased in 1920

Amount uninvested on hand at beginning of year	\$600.00
Additional donation for increasing the fund	400.00
<hr/>	
Par value of fund, all invested	\$1,000.00
Income received during the year	\$26.95
Appropriated for George Peirce Prize	25.00
<hr/>	
Income on hand at end of year	1.95

SUMMARY OF THE FUNDS

Funds for General College Purposes:

General Endowment Fund	\$106,793.77
John Farnum Memorial Fund	42,332.73
John M. Whitall Fund	11,012.59
<hr/>	
Forward	\$160,139.09

TREASURER'S REPORT

Forward	\$160,139.09	
David Scull Fund	48,354.84	
Edward L. Scull Fund	12,389.63	
Wistar Morris Memorial Fund	5,261.74	
Israel Franklin Whitall Fund	12,810.17	
Jacob P. Jones Endowment Fund	1,063,388.93	
John Farnum Brown Fund	286,572.00	
Ellen Waln Fund	11,239.60	
Clementine Cope Endowment Fund	31,108.75	
Joseph E. Gillingham Fund	54,061.39	
Henry Norris Fund	6,048.70	
Elizabeth H. Farnum Fund	10,220.00	
James R. Magee Fund	10,774.37	
Albert K. Smiley Fund	1,017.50	
Hinchman Astronomical Fund	11,040.10	
Walter D. and Edith M. L. Scull Fund..	93,258.11	
Albin Garrett Memorial Fund	25,000.00	
Arnold Chase Scattergood Memorial Fund	30,000.00	
Francis B. Gummere Memorial Fund		
(New)	100,040.50	
Isaac Sharpless Memorial Fund (New) ..	11,238.28	
		<hr/> \$1,983,963.70
<i>Funds for Thomas Wistar Brown Graduate School:</i>		
Moses Brown Fund		397,271.34
<i>Funds for Morris Infirmary:</i>		
Infirmary Endowment Fund	\$9,750.94	
John W. Pinkham Fund	5,059.50	
		<hr/> 14,810.44
<i>Funds for the Union:</i>		
Haverford Union Fund (New)		1,678.59
<i>Funds for Scholarships:</i>		
Thomas P. Cope Fund	\$6,142.69	
Edward Yarnall Fund	6,554.60	
Isaiah V. Williamson Fund	22,497.38	
		<hr/>
Forward	\$35,194.67	2,397,724.07

HAVERFORD COLLEGE

Forward	\$35,194.67	2,397,724.07
Richard T. Jones Scholarship Fund	5,056.25	
Mary M. Johnson Scholarship Fund	8,604.85	
Sarah Marshall Scholarship Fund	8,019.99	
Clementine Cope Fellowship Fund	25,617.93	
Isaac Thorne Johnson Scholarship Fund .	5,056.25	
Caspar Wistar Memorial Scholarship Fund (New)	5,000.00	
		92,549.94
<i>Funds for the Library:</i>		
Alumni Library Fund	\$19,219.78	
Mary Farnum Brown Library Fund	93,586.19	
William H. Jenks Library Fund	5,000.00	
Mary Wistar Brown Williams Library Fund	20,250.74	
Anna Yarnall Fund	8,988.28	
F. B. Gummere Library Fund (New)	625.47	
Edmund Morris Fergusson Jr. Memorial Fund (New)	800.00	
		148,470.46
<i>Funds for Pensions:</i>		
President Sharpless Fund	\$45,351.16	
William P. Henszey Fund	36,692.16	
Jacob P. Jones Benefit Fund	67,046.24	
Pliny Earle Chase Memorial Fund	4,390.24	
Haverford College Pension Fund	61,204.46	
		214,684.26
<i>Funds for Special Purposes:</i>		
Thomas Shipley Fund	\$5,225.00	
Elliston P. Morris Fund	1,188.75	
John B. Garrett Reading Prize Fund	2,000.00	
Special Endowment Fund	12,000.00	
Scholarship Improvement Prize Fund	2,000.00	
Elizabeth P. Smith Fund	1,032.00	
S. P. Lippincott History Prize Fund	2,500.00	
Francis Stokes Fund	5,000.00	
George Peirce Fund	1,000.00	
		31,945.75
Total par value of all the funds	\$2,885,374.48	

TREASURER'S REPORT

being \$154,195.47 more than reported one year ago, as follows:

By additional securities received from executor for Walter D. and Edith M. L. Scull Fund	\$5,000.00	
By additional donation from Mr. and Mrs. Harold Peirce for George Peirce Prize Fund	400.00	
By gift of Edward M. and Margaret C. Wistar to found the Caspar Wistar Memorial Scholarship Fund	5,000.00	
By gift of Haverford Union to found the Haverford Union Fund	1,678.59	
By gift of Alumni and Friends of Haverford to found the Francis B. Gummere Memorial Fund	99,775.50	
By gift of Alumni and Friends of Haverford to found the Isaac Sharpless Memorial Fund	11,040.50	
By gift of Students' Association, Haverford College, to found the F. B. Gummere Library Fund	625.47	
By gift of Mr. and Mrs. E. Morris Fergusson, to found the Edmund Morris Fergusson Jr. Memorial Fund	800.00	
	<hr/>	\$124,320.06

Gains:

Gain from net realizations of investments in:

Israel Franklin Whitall Fund	\$221.68	
Jacob P. Jones Endowment Fund	16.09	
John Farnum Brown Fund	138.55	
Walter D. and Edith M. L. Scull Fund ...	180.00	
Isaac Sharpless Memorial Fund	1.78	
Edward Yarnall Fund	27.71	
Alumni Library Fund	69.28	
Anna Yarnall Fund	444.17	
President Sharpless Fund	83.13	
William P. Henszey Fund	41.56	
	<hr/>	1,222.95

Forward	\$125,544.01
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HAVERFORD COLLEGE

Forward	\$125,544.01
<i>Income credited to Principal:</i>	
John Farnum Brown Fund	\$1,219.09
Moses Brown Fund	1,717.88
Mary Farnum Brown Library Fund	43.66
Haverford College Pension Fund	1,850.64
	4,831.27
Income credited to Principal from Contingent Account.	2,501.69
Difference between cost and par of securities bought and sold	21,318.50
	\$154,195.47

AUDIT

We have examined the cash book and accounts of J. Henry Scattergood, Treasurer of the Corporation of Haverford College, for the year ending Eighth month 31, 1920, and find them to agree with the statement of receipts and payments shown in the foregoing account.

We have compared the payments made with vouchers and receipts for all disbursements and find same to be correct.

The cash balance at the end of the fiscal year in the hands of the Treasurer was \$13,041.14, and the balance to be accounted for by the President \$3,500.00 as stated.

JONATHAN M. STEERE,
CHARLES J. RHOADS,
Auditing Committee.

Philadelphia, Tenth month 7, 1920.

We have examined the securities belonging to the Corporation of Haverford College, Eighth month 31, 1920, and find them to agree with the foregoing statement of the Treasurer.

GEORGE VAUX, JR.,
STANLEY R. YARNALL,
Auditing Committee.

Philadelphia, Tenth month 8, 1920.

DONATIONS

For the year ending Eighth month 31, 1920

Isaac Sharpless Hall Fund:

Walter Bowerman	\$25.00
Charles F. Brede	15.00
R. M. Gummere	25.00
James M. Stokes	50.00
L. Ralston Thomas	5.00
John Van Sickle	25.00
W. C. Webster	25.00

\$170.00

Isaac Sharpless Hall Equipment Fund:

W. M. C. Kimber	\$137.50
Mrs. Henry G. Leach	2,000.00
George Lippincott	100.00
J. Henry Scattergood	50.00
Frederic H. Strawbridge	700.00
Francis R. Strawbridge	305.80
Charles Wood	10.00
Charles J. Rhoads, Class of 1893 Fund ...	100.00
Income from bond, Class of 1893 Fund ...	20.83

3,424.13

Class of 1892 for Furnishing Library, Sharpless Hall:

Egbert S. Cary	\$25.00
Minturn P. Collins	100.00
I. H. Brumbaugh	100.00
Walter M. Hart	50.00
Arthur Hoopes	25.00
John W. Muir	50.00
Wm. H. Nicholson	50.00
W. Nelson L. West	15.00

415.00

For the Library:

John B. Garrett	10.00
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HAVERFORD COLLEGE

For Scholarships:

New York State Scholarship *

1918-19	\$80.00
1919-20	200.00

\$280.00

Maryland Scholarship †	40.00
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For Grenfell Lecture:

Parker S. Williams	\$25.00
Harold Peirce	10.00
Maria C. Scattergood	65.00

100.00

For Extension Committee's Work:

Alumni Association	275.98
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For Prizes:

Founders Club	\$25.00
Class of 1896	20.00

45.00

For Mathematical Prizes:

L. W. Reid	20.00
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Special Salary Fund for Professors:

William H. Haines	\$500.00
A. F. Huston	250.00
M. Albert Linton	25.00
J. Henry Scattergood	4.90
Henry W. Stokes	50.00
Frederic H. Strawbridge	200.00
W. Graham Tyler	50.00
A. C. Wood, Jr.	25.00
Richard D. Wood	50.00

1,154.90

* In addition \$80.00 (1918-1919) were handed the New York scholars for direct payment of their fees.

† In addition \$120.00 was handed the Maryland scholar for direct payment of his fees.

DONATIONS

For George Peirce Prize Fund (increase of Fund) :

Mr. and Mrs. Harold Peirce	\$400.00
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For Francis B. Gummere Memorial Fund (New) :

(See list below)	99,775.50
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For Isaac Sharpless Memorial Fund (New) :

(See list below)	11,040.50
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For F. B. Gummere Library Fund (New) :

Students' Association, through A. E. Rogers, Secretary	625.47
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For Caspar Wistar Memorial Scholarship Fund (New) :

Edward M. and Margaret C. Wistar	5,000.00
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For Edmund Morris Fergusson Jr. Memorial Fund (New) :

Mr. and Mrs. E. Morris Fergusson	800.00
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For Haverford Union Fund (New) :

Haverford Union	1,678.59
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Total donations	<div style="border-top: 1px solid black; border-bottom: 3px double black; padding: 2px 0;">\$125,255.07</div>
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Francis B. Gummere Memorial Fund:

W. W. Allen	\$10.00
Anonymous	1,000.00
A. L. Baily	1,250.00
Wm. P. Bancroft	100.00
Franklin E. Barr	150.00
Mrs. Robert Barrie	25.00
Robert Barrie	100.00
C. Herbert Bell	25.00
Charles H. Biddle	100.00
J. H. Bonbright	100.00
A. W. Blair	5.00
Miss Emily H. Bourne	25,000.00
Thomas F. Branson	1,000.00

HAVERFORD COLLEGE

Howard Burtt	\$100.00
George T. Butler	100.00
George H. Buzby	200.00
Henry Joel Cadbury	2.00
Joel Cadbury	250.00
Richard T. Cadbury	5.00
P. H. Caskey	50.00
A. B. Caswell	25.00
Jefferson H. Clark	50.00
William M. Coates	500.00
Carey Coale	25.00
David B. Coles, Jr.	20.00
Alfred M. Collins	1,000.00
James C. Comfort	300.00
Frank H. Conklin	100.00
James W. Cromwell	500.00
Morton P. Darlington	10.00
P. S. Darlington	50.00
Frank Deacon	15.00
Mrs. J. Hartley Deacon	25.00
Morris B. Dean	50.00
Joseph C. Develin	100.00
Thomas S. Downing	12.50
Howard W. Elkinton	50.00
John G. Embree	100.00
Walter Erben	100.00
Miss Elizabeth M. Eustis	25.00
Miss Mary St. B. Eustis	25.00
Mr. and Mrs. Harold Evans	250.00
J. M. Sharpless Ewing	5.00
Clifford B. Farr	75.00
Henry J. Ferris, Jr.	5.00
Miss Marion B. Fessenden	2.00
Louis J. Finestone	15.00
Morris W. Gates	250.00

DONATIONS

Thomas S. Gates	\$250.00
John B. Garrett	250.00
John S. Garrigues	100.00
William H. Gibbons	500.00
Vincent Gilpin	100.00
F. D. Godley	100.00
R. T. Griffith	50.00
Frank T. Griswold	100.00
Arthur Haines	10.00
Henry E. Haines	100.00
J. H. Haines	25.00
Norris F. Hall	25.00
N. P. Hallowell	100.00
Mrs. M. H. Harbison	25.00
Wm. Y. Hare	25.00
W. D. Hartshorne	25.00
J. Paul Haughton	10.00
Victor M. Haughton	5.00
Charles E. Hires	500.00
J. Alan Hisey, Jr.	10.00
Richard M. Holme	100.00
Thomas Hoopes, Jr.	100.00
Furman S. Howson	200.00
Frederic G. Hulme	50.00
Percy A. Hunter	150.00
Walter P. Hutton	10.00
A. F. Huston	25,000.00
In Memoriam	3,000.00
Joseph Y. Jeanes	100.00
John S. Jenks, Jr.	250.00
Charles H. Jones	1,000.00
S. Percy Jones	300.00
J. D. Kenderdine	50.00
Miss Natalie B. Kimber	25.00
Mrs. T. William Kimber	500.00

HAVERFORD COLLEGE

Mrs. A. A. Kissler	\$10.00
W. L. Kleinz	25.00
Maris A. Laverty	50.00
Morris M. Lee	300.00
A. C. Leonard	50.00
Ralph G. Libby	50.00
H. G. Lippincott	300.00
T. Morris Longstreth	25.00
W. C. Longstreth	25.00
Frank E. Lutz	5.00
E. L. Macomber	10.00
Louis C. Madeira	100.00
Louis C. Madeira, Jr.	100.00
James P. Magill	50.00
Jackson Maloney	25.00
Samuel Mason	250.00
E. K. Maxfield	2.00
Stephen W. Meader	50.00
Archer B. Mifflin	5.00
Martin Nixon Miller	5.00
Robert E. Miller	50.00
Edward R. Moon	25.00
Effingham B. Morris	100.00
Frederick W. Morris, Jr.	500.00
Lawrence J. Morris	250.00
Reginald H. Morris	200.00
William H. Morris	500.00
William P. Morris	1,110.00
Eli Nichols	25.00
Frederick W. Ohl	10.00
W. F. Overman	50.00
Donald H. Painter	100.00
Herbert J. Painter	50.00
George Stuart Patterson	25.00
Ralph D. Pearson, in memory of	1,000.00

DONATIONS

John P. Philips	\$1,000.00
Dr. J. G. Pinkham	1,000.00
Irvin C. Poley	150.00
W. Ralph Porch	25.00
E. A. G. Porter	50.00
Arnold Post	100.00
Frank M. Ramsey	50.00
H. D. Reese	100.00
D. Duer Reynolds	50.00
Charles J. Rhoads	1,500.00
Samuel Rhoads	100.00
Hubert T. Richardson	20.00
Edward Rice	100.00
Frederick P. Ristine	100.00
J. G. Rosengarten	100.00
William H. Sayre	50.00
Barton Sensenig	10.00
H. W. Scarborough	150.00
Lesley B. Seeley	25.00
Joseph W. Sharp, 3d	15.00
Frederic C. Sharpless	100.00
James E. Shipley	50.00
Walter Penn Shipley	300.00
Walter Penn Shipley, Jr.	50.00
Albanus L. Smith	400.00
Lloyd M. Smith	100.00
Horace E. Smith	500.00
J. W. Spaeth	100.00
Eben H. Spencer	50.00
Joseph V. D. Stetson	25.00
Mrs. W. B. Stephenson	50.00
Percy B. Strassberger	10.00
John A. Stratton	25.00
Frederic H. Strawbridge	1,000.00
Francis R. Strawbridge	5,000.00

HAVERFORD COLLEGE

Strawbridge & Clothier	\$2,500.00
Isaac Sutton	10.00
Albert Syze	10.00
Joseph G. Tatnall	50.00
Edward B. Taylor	2,100.00
Frank H. Taylor	600.00
Norman H. Taylor	700.00
George Thomas, 3d	250.00
John R. Thomas	25.00
Clinton C. H. Thorp	50.00
C. H. Thurber	100.00
Henry A. Todd	10.00
Benjamin Tucker	10.00
R. L. M. Underhill	2.00
Frank D. Walker	10.00
George M. and Elizabeth B. W. Warner ..	250.00
W. H. Wilbur	25.00
Henry S. Williams	100.00
Parker S. Williams	5,500.00
Asa S. Wing	250.00
Randolph Winslow	300.00
Mrs. James D. Winsor	100.00
James D. Winsor	100.00
Thomas Wistar	10.00
Alexander C. Wood, Jr.	500.00
Grahame Wood	200.00
George Wood	500.00
Mrs. Mary E. S. Wood	500.00
Walter Wood	300.00
R. L. Woodbridge	10.00
Edward W. Woolman	100.00
William J. Wright	15.00
Arthur R. Yearsley	100.00
John M. Zook	200.00

Total paid over to College Treasurer by Eighth
month 31, 1920

\$99,775.50

DONATIONS

Isaac Sharpless Memorial Fund:

Charles F. Allen	\$5.00
Albert L. Baily	3,750.00
William H. Bacon	50.00
George A. Barton	10.00
Richard C. Brown	5.00
F. C. Buffum, Jr.	10.00
John W. Cadbury	250.00
Oscar M. Chase	200.00
Jefferson H. Clark	50.00
Carey Coale	25.00
Frederic H. Curtis	50.00
Stephen Curtis	100.00
Benjamin S. DeCou	3.00
Thomas S. Downing, Jr.	12.50
Howard W. Elkinton	100.00
F. Algernon Evans	500.00
Morris W. Gates	250.00
Vincent Gilpin	200.00
William C. Greene	1.00
John W. Gummere	50.00
William Y. Hare	75.00
Henry J. Harris	50.00
Horace H. Jenks	100.00
William Kennard	75.00
W. M. C. Kimber	500.00
Herbert S. Langfeld	100.00
Horatio G. Lloyd	250.00
Howard M. Lutz	500.00
Samuel Mason	750.00
Francis Minot	10.00
Walter T. Moore	50.00
Joseph Paul Morris	20.00
Sydney S. Morris	100.00
Wm. Haviland Morris	50.00
A. V. Morton	500.00

HAVERFORD COLLEGE

Percival Nicholson	\$50.00
Frederick W. Ohl	10.00
Frank W. Ramsey	50.00
J. Howard Redfield	10.00
Barton Sensenig	40.00
Mrs. William B. Stephenson	50.00
Francis R. Taylor	504.00
George Thomas, 3d	750.00
Henry M. Thomas, Jr.	25.00
John R. Thomas	75.00
Edward S. Thorpe	100.00
Elmer H. Thorpe	100.00
John Way	50.00
W. H. B. Whittall	300.00
Robert N. Wood	50.00
Henry N. Woolman	100.00
Eugene R. Zieber	25.00

Total paid over to College Treasurer by Eighth month 31, 1920	<u>\$11,040.00</u>
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GIFTS TO THE HAVERFORD LIBRARY

Amelia Mott Gummere, in memory of Francis B. Gummere	514
Collection of Wm. C. Stevenson, Jr.	215
Class of 1900	167
Lydia Cope Sharpless, in memory of Isaac Sharpless	148
President Comfort	51
Henry J. Cadbury	31
Wm. Percy Simpson	29
Henry V. Gummere	20
Benjamin Collins, Jr.	20
Parker S. Williams	11

And many others, one or more each.

ENDOWMENT FUNDS

GENERAL ENDOWMENT FUND

Founded in 1847 with subscriptions of \$50,000 by a number of Friends. Additions were made as follows: 1868, from an anonymous source, \$5,000; 1869, bequest of Ann Haines to increase the compensation of Professors, \$2,670; 1870, bequest of Richard D. Wood, \$18,682.86; 1872, from William Evans, \$1,000; 1874, from executors of Jesse George, deceased, \$5,000; 1880, bequest of Dr. Joseph W. Taylor, \$5,000; 1901, legacy of Ann Williams, \$2,425.50. Present par value, \$106,793.77. The income is used for salaries and for scholarships, the latter usually to the amount of \$1,200 per annum.

JOHN FARNUM MEMORIAL FUND

Founded in 1878 by the heirs of John Farnum by gift of \$25,000 as a memorial to him. Added to in 1899 by legacy of \$10,000 from Elizabeth H. Farnum, widow of John Farnum. Present par value, \$42,332.73. The income only is to be used to endow a "professorship of some practical science or literature." The chair of chemistry was designated as the "John Farnum Professor of Chemistry."

JOHN M. WHITALL FUND

Founded in 1880 by bequest of \$10,000 from John M. Whittall, Sr. Present par value, \$11,012.59. The bequest is upon the condition that the art of drawing, especially mechanical drawing, shall be taught, and the income only is to be used and for this purpose.

DAVID SCULL FUND

Founded in 1885 by bequest of \$40,000 from David Scull, Sr. Present par value, \$48,354.84. The income only is to be used to endow a professorship. The chair of biology was designated as the "David Scull Professor of Biology."

ENDOWMENT FUNDS

EDWARD L. SCULL FUND

Founded in 1885 by net bequest of \$9,500 from Edward L. Scull, '64. This legacy was to the General Endowment Fund, but in 1888 it was set apart as a separate fund. Present par value, \$12,389.63. The income only is to be used. The bequest is free from any legally binding conditions, but it was the testator's desire "that some judicious means shall be employed by the Managers to further advise students on the subjects of diet and reading."

WISTAR MORRIS MEMORIAL FUND

Founded in 1892 by gift of \$5,000 in bonds by Mary Morris, widow of Wister Morris as a memorial to him. Present par value, \$5,261.74. There are no restrictions. The income is used for general college purposes.

ISRAEL FRANKLIN WHITALL FUND

Founded in 1896 by net legacy of \$9,667.83 from Israel Franklin Whittall. Present par value, \$12,810.17. The income only is to be used for the payment of professors or teachers.

JACOB P. JONES ENDOWMENT FUND

Founded in 1897 by residuary legacy of Jacob P. Jones. This amounted when received to par value of \$279,021.60 and sundry real estate. The real estate, except 12.463 acres, has been sold. Present par value of the fund, \$1,063,388.93. The income only is to be used for general college purposes, and out of said income there shall be admitted a portion at least of the students either free of charge or at reduced rates. In accordance with this provision, \$9,200 per annum is used for scholarships, and the balance of income for general college purposes. Jacob P. Jones' will contains the following: "My hope is that under the blessing and favor of God there will come from this source a revenue which shall be productive of growth and vigor in the Institution as well as help at this critical period of their lives to many deserving young men of slender patrimony."

HAVERFORD COLLEGE

JOHN FARNUM BROWN FUND FOR THE STUDY OF THE BIBLE, BIBLICAL HISTORY AND LITERATURE, PHILOSOPHY AND KINDRED SUBJECTS

Founded in 1900 by T. Wistar Brown as a memorial to his son, John Farnum Brown, '93. The original gift was in securities of a par value of \$58,000, shortly afterward increased by a further gift of \$5,000. Additional gifts by T. Wistar Brown were made as follows: in 1910, \$5,000 and \$10,000; in 1911, \$20,612.29; in 1912, \$30,000 par value of securities. Present par value, \$286,572.00. The income only is to be used for the purpose of making provision for the regular study of the Bible and Biblical history and literature, and as way opens for religious teaching. In 1910, the scope and title of the Fund were enlarged to include "and Philosophy and Kindred Subjects." Income up to \$200 may be used for prizes in Biblical Literature and Philosophy. At least ten per cent of the total income of this fund must be capitalized each year, as must also all unused income at the close of each fiscal year.

ELLEN WALN FUND

Founded in 1900 by legacy of \$10,000 from Ellen Waln. Present par value, \$11,239.60. There are no restrictions. The income is used for general college purposes.

CLEMENTINE COPE ENDOWMENT FUND

Founded in 1904 by bequest of \$25,000 from Clementine Cope. Present par value, \$31,108.75. There are no restrictions. The income is used for general college purposes.

NATHAN BRANSON HILL TRUST

Founded in 1904 by deposit with Minneapolis Trust Co., Minneapolis, Minn., trustee, of a paid-up life insurance policy for \$5,000 by Samuel Hill, '78, being in memory of his father, Nathan Branson Hill. The income is to be used to aid the maintenance of Haverford College so long as it shall remain under the auspices of the Society of Friends. At present the only income is from dividends upon the above policy.

ENDOWMENT FUNDS

JOSEPH E. GILLINGHAM FUND

Founded in 1907 by bequest of \$50,000 from Joseph E. Gillingham. Present par value, \$54,061.39. The testator said, "I request, but I do not direct, that part of the income of this legacy may be used for free scholarships for meritorious students." In accordance with this request, \$800 is appropriated annually from the income for scholarships, the balance being used for general college purposes.

HENRY NORRIS FUND

Founded in 1907 by bequest of \$5,000 from Henry Norris. Present par value, \$6,048.70. There are no restrictions. The income is used for general college purposes.

ELIZABETH H. FARNUM FUND

• Founded in 1891. The original principal of this fund, amounting to \$10,000, is held by the Provident Life and Trust Co. of Philadelphia under a deed of trust created by Elizabeth H. Farnum. The first income accrued to the College in 1914. Present par value, \$10,220.00. There are no restrictions as to the use of the income, and same is applied to general college purposes.

JAMES R. MAGEE FUND

Founded in 1915 by bequest of \$10,000 from James R. Magee, '59. Present par value, \$10,774.37. There are no restrictions except that the income only is to be used. This has been applied to general college purposes. The will provides for a further bequest to the College upon the death of sisters of the testator.

ALBERT K. SMILEY FUND

Founded in 1915 by gift of \$1,000 from Daniel Smiley, '78, as a memorial to his brother, Albert K. Smiley, '49. Present par value, \$1,017.50. There are no restrictions except that preference was expressed that the income only should be used. This has been applied to general college purposes.

HAVERFORD COLLEGE

HINCHMAN ASTRONOMICAL FUND

Founded in 1917 by bequest of \$10,000 par value of securities from Charles S. Hinchman. Present par value, \$11,040.10. The income only to be used "to increase the salary of the astronomical professorship so as to provide a suitable instructor in the ennobling study of the heavens."

WALTER D. AND EDITH M. L. SCULL FUND

Founded in 1918 by bequest of Walter D. Scull, whose death followed shortly after the death of his sister, Edith M. L. Scull. Each left his or her estate to the other, unless predeceased; in this latter case both American estates were left to Haverford College. Both were children of Gideon D. Scull, '43, and resided in England. Thus far there has been received cash and securities of a par value of \$79,138.60. Income accumulated before the receipt of the fund by the College amounted to \$16,887.66, of which \$15,078.51 has been added to the principal of the fund. Present par value, \$93,258.11. The fund was created to establish a professorship of modern English constitutional history, and the chair has been designated as the Walter D. and Edith M. L. Scull Professor of History.

ALBIN GARRETT MEMORIAL FUND

Founded in 1919 by legacy of \$25,000 from Mary Hickman Garrett, in memory of her late husband, Albin Garrett, '64. Present par value, \$25,000. There are no restrictions. The income is used for general college purposes.

ARNOLD CHASE SCATTERGOOD MEMORIAL FUND

Founded in 1919 by gift of \$30,000 in securities from Maria Chase Scattergood in memory of her son, Arnold Chase Scattergood, of the Class of 1919, who died in his Junior year. Present par value \$30,000. The income only is to be used toward the payment of professors' salaries. Should Haverford at any time in the future give instruction or offer courses in Military Training, the fund must be surrendered to Committee on Education of Yearly Meeting of Friends of Philadelphia.

ENDOWMENT FUNDS

FRANCIS B. GUMMERE MEMORIAL FUND

Founded in 1920. This fund was started by a gift of \$25,000 from Miss Emily H. Bourne, of New York, conditional upon the raising of \$100,000 additional for an endowment of the Chair of English Literature in memory of her friend, Professor Francis Barton Gummere. A committee of alumni, consisting of J. Stoddell Stokes, '89, chairman; E. R. Tatnall, '07, treasurer; Hans Froelicher, '12, secretary; Charles J. Rhoads, '93; Alfred M. Collins, '97; Winthrop Sargent, Jr., '08, and Parker S. Williams, '94, working with President Comfort, organized a comprehensive campaign among the alumni and friends of the College to raise \$500,000 for this purpose and for increases of professors' salaries; the first \$100,000 of unspecified gifts was used to complete the Francis B. Gummere Memorial Fund to \$125,000, and the balance comprised the Isaac Sharpless Memorial Fund. Total paid in Eighth month 31, 1920, par value \$100,040.50.

ISAAC SHARPLESS MEMORIAL FUND

Founded in 1920. The alumni of the College conducted during 1920 a campaign for \$500,000 additional endowment for the College to make possible additional salaries to the professors. Appeal was made to found two new funds, the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund. The funds received, except where otherwise specified, were first applied to the completion of the former up to \$125,000 (see above). Specified gifts and donations thereafter received were then applied to the Isaac Sharpless Memorial Fund. The income only is to be used for salaries of professors. Paid in Eighth month 31, 1920, par value \$11,238.28.

MOSES BROWN FUND

A trust founded by T. Wistar Brown in 1906, as a memorial to his father, Moses Brown. Transferred to the College in 1916 after his death, having at that time a par value of \$372,821.91. Present par value, \$397,271.34. The fund was created to establish a graduate course in religious study in harmony with and supplementary to the teaching and study provided for by the John Farnum Brown Fund.

HAVERFORD COLLEGE

The income only is to be used; at least ten per cent of the total income must be capitalized each year. The unused income, if any, is likewise capitalized at the close of each fiscal year. The graduate school supported by the Moses Brown Fund is designated "The Thomas Wistar Brown Graduate School."

INFIRMARY ENDOWMENT FUND

Founded in 1911 from subscriptions totaling \$9,072.55, raised among alumni and friends of the College. Present par value, \$9,750.94. The income is used toward the expenses of the Morris Infirmary.

JOHN W. PINKHAM FUND

Founded in 1911 by legacy of \$5,000 from Dr. John W. Pinkham, '60, being transmitted by gift from his widow, Cornelia F. Pinkham. Present par value, \$5,059.50. There are no binding conditions, but as she expressed an interest in the Morris Infirmary, then building, the Board of Managers directed that the income of this fund should be used in the support and maintenance of the Infirmary.

HAVERFORD UNION FUND

Founded in 1920 by gift of \$1,000 par value of bond, \$678.59 cash, and all the personal property in the Union from the Haverford College Union. The College assumed the responsibility for the care of the building First month 16, 1920. The income is used toward the maintenance of the Union building. Present par value, \$1,678.59.

THOMAS P. COPE FUND

Founded in 1842 by gift of sixty shares of Lehigh Coal and Navigation Co. stock, par value \$3,000, from Thomas P. Cope. Present par value, \$6,142.69. The income only is to be used "for the education of young men to qualify them to become teachers, but who are not of ability to pay their own schooling." The fund sustains the Thomas P. Cope Scholarships.

EDWARD YARNALL FUND

Founded in 1860 by bequest of \$5,000 from Edward Yarnall. Present par value, \$6,554.60. The income only is to be used for "the support of free scholarships." The fund sustains the Edward Yarnall Scholarships.

ENDOWMENT FUNDS

ISAIAH V. WILLIAMSON FUND

Founded in 1876 and increased in 1883 by gifts of sundry ground rents from Isaiah V. Williamson. Present par value, \$22,497.38. The income only is to be used for free scholarships or part scholarships. The fund sustains the Isaiah V. Williamson Scholarships.

RICHARD T. JONES SCHOLARSHIP FUND

Founded in 1885 by bequest of \$5,000 from Jacob P. Jones as a memorial to his late son, Richard T. Jones. Present par value, \$5,056.25. The income only to be used to sustain the "Richard T. Jones Scholarship."

MARY M. JOHNSON SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Mary M. Johnson. Accrued interest before payment to the College increased the fund by \$3,062.95. Present par value, \$8,604.85. The bequest was to establish a "perpetual scholarship." The fund sustains the Mary M. Johnson Scholarships.

SARAH MARSHALL SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Sarah Marshall. Accrued interest before payment to the College increased the fund by \$2,589.49. Present par value, \$8,019.99. The bequest was to establish a "perpetual scholarship." The fund sustains the Sarah Marshall Scholarships.

CLEMENTINE COPE FELLOWSHIP FUND

Founded in 1899 by gift of \$25,000 from Clementine Cope. Present par value, \$25,617.93. The gift was to establish the "Clementine Cope Fellowship Fund to assist worthy and promising graduates of Haverford College in continuing their course of study at Haverford or at some other institution of learning in this country or abroad." The selection of the Fellows is made by the Board of Managers upon nomination by the Faculty.

ISAAC THORNE JOHNSON SCHOLARSHIP FUND

Founded in 1916 by gift of \$5,000 from Isaac Thorne Johnson, '81. Present par value, \$5,056.25. The gift was to establish "The Isaac

HAVERFORD COLLEGE

Thorne Johnson Scholarship to aid and assist worthy young men of Wilmington Yearly Meeting or of the Central West to enjoy the privileges of Haverford College."

CASPAR WISTAR MEMORIAL SCHOLARSHIP FUND

Founded in 1920 by gift of Edward M. and Margaret C. Wistar of \$5,000 par value in bonds in memory of their son, Caspar Wistar, of the Class of 1902, who died in Guatemala in 1917 while engaged in mission service in that country. The income only is to be used for scholarships, primarily for sons of parents engaged in Christian service, including secretaries of Young Men's Christian Associations, or students desiring preparation for similar service in America or other countries. Present par value, \$5,000.

ALUMNI LIBRARY FUND

Founded in 1863 by contributions from the alumni and other friends of the College. In 1909 the unexpended balance (about \$5,000) of a fund of \$10,000 raised in 1892, and known as the "New Library Fund," was merged into the Alumni Library Fund. Present par value, \$19,219.78. The income is used for the purchase of books, etc., for the Library.

MARY FARNUM BROWN LIBRARY FUND

Founded in 1892 by gift of \$20,000 from T. Wistar Brown, executor of the estate of Mary Farnum Brown. Additions were made by T. Wistar Brown in 1894, \$10,000 for a lecture fund, and in 1913, \$20,000. In 1916, after T. Wistar Brown's death, there was added to this fund \$34,499.78 par value of securities, being a trust which he had created for this purpose in 1908 and to which he had made additions in subsequent years. Present par value, \$93,586.19. The purpose of this fund (except \$10,000) is for the increase and extension of the Library. The income only is to be used for the purchase of books, and one-fifth of same is to be spent for books promoting the increase of Christian knowledge. The books purchased with the income of this fund are marked by a special book-plate. The income

ENDOWMENT FUNDS

of \$10,000 of the fund is to provide for an annual course of lectures upon Biblical subjects designated "The Haverford Library Lectures." Unused income from this fund, if any, is capitalized at the end of each fiscal year.

WILLIAM H. JENKS LIBRARY FUND

Founded in 1910 by gift of \$5,000 from Hannah M. Jenks, widow of William H. Jenks. The fund was first known as "Special Library Fund," but after the death of Hannah M. Jenks was changed, in 1916, to "William H. Jenks Library Fund." Present par value, \$5,000. The purpose of the fund is that the income shall be used for the care of the collection of Friends' books made by William H. Jenks and given by his widow to Haverford College, and to make appropriate additions thereto. Any income not used for these purposes may be used toward the general needs of the Library.

MARY WISTAR BROWN WILLIAMS LIBRARY FUND

Founded in 1914 by gift of \$20,000 from Parker S. Williams, '94, as a memorial to his wife, Mary Wistar Brown Williams. Present par value \$20,250.74. The income only is to be used for the purchase of books for the Library, preferably books coming within the classes of history, poetry, art, and English and French literature. The books purchased with the income of this fund are marked by a special book-plate.

ANNA YARNALL FUND

Founded in 1916 by residuary bequest of \$7,000 par value of securities and one-half interest in suburban real estate from Anna Yarnall. Additional amount under bequest was received in 1918. Present par value, \$8,988.28, the real estate not yet having been sold. The bequest was made for the general use of the Library. The testatrix says, "I do not wish to restrict the managers as to the particular application of this fund, but desire them to use the income arising from it as in their best judgment and discretion shall seem best, for the purchase of books and manuscripts, book cases, rebinding of books, and, if need be, the principal or portions thereof, or the income

HAVERFORD COLLEGE

or portions thereof, for additions to the present Library building, or the erection of new Library buildings. I direct that all books purchased with this fund shall be plainly marked 'Charles Yarnall Memorial' in memory of my father, Charles Yarnall."

F. B. GUMMERE LIBRARY FUND

Founded in 1920 by gift of \$625.47, raised among the students by the Students' Association of the College as a memorial to Professor Francis Barton Gummere. The income only is to be used to buy for the Haverford College Library books on the subjects that he taught or was interested in.

The Students' Association voted also to raise twenty-five dollars for a special shelf in the Library to be known as the "F. B. Gummere Memorial Shelf." This shelf, with its proper inscription, is to hold the books purchased by this fund. Present par value, \$625.47.

EDMUND MORRIS FERGUSSON JR. CLASS OF 1920 MEMORIAL FUND

Founded in 1920 by memorial gift of one thousand dollars from the family of Edmund Morris Fergusson, Jr., Class of 1920, who died at the College in his Senior year. The income only is to be used for the maintenance and increase of the Library's Department of English and American Literature. The books purchased with the income of this fund are marked by a special book-plate indicating its source. The amount paid in by Eighth month 31, 1920, was \$800.

PRESIDENT SHARPLESS FUND

Founded in 1907 by contributions from interested friends of the College, finally amounting to \$40,000. Present par value, \$45,351.16. The income is to be used for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for pensions, or, if not needed for pensions, is capitalized in said fund.

ENDOWMENT FUNDS

WILLIAM P. HENSZEY FUND

Founded in 1908 by gift of \$10,000 from William P. Henszey, donated in connection with the raising of the President Sharpless Fund, but kept as a separate fund. Increased in 1909 by legacy of \$25,000 from William P. Henszey. Present par value, \$36,692.16. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for pensions, or, if not needed for pensions, is capitalized in said fund.

JACOB P. JONES BENEFIT FUND

Founded in 1909 and increased in 1910 by proceeds of land sold for account of Jacob P. Jones legacy. Present par value, \$67,046.24. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for pensions, or, if not needed for pensions, is capitalized in said fund.

PLINY EARLE CHASE MEMORIAL FUND

Founded in 1909 by transfer to the College of a fund raised in 1887 in memory of Professor Pliny Earle Chase, and amounting to par value of \$4,390.24. Present par value, \$4,390.24. The income of this fund is applied first to a \$100 life annuity, and the balance, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. Upon the death of the life annuitant, all of the income will be so used. This income is transferred annually to the Haverford College Pension Fund for pensions, or, if not needed for pensions, is capitalized in said fund.

HAVERFORD COLLEGE PENSION FUND

Founded in 1910 and added to since, being accumulations of income from the President Sharpless Fund, the William P. Henszey Fund, the Jacob P. Jones Benefit Fund and the Pliny Earle Chase Memorial

HAVERFORD COLLEGE

Fund, not needed for pensions. Present par value, \$61,204.46. The income from this fund, together with the income from the four above-mentioned funds, is used for pensions, and if not needed for pensions is capitalized in this fund.

THOMAS SHIPLEY FUND

Founded in 1904 by gift of \$5,000 from Samuel R. Shipley as a memorial to his father, Thomas Shipley. Present par value, \$5,225. The income only to be used for lectures on English Literature at the College. In case of actual need, at the discretion of the President of the College, the income can be used for general expenditures.

ELLISTON P. MORRIS FUND

Founded in 1906 by gift of \$1,000 from Elliston P. Morris, '48. Present par value, \$1,188.75. The income is to be used as a prize for essays to be written by students on the subject of Arbitration and Peace. "The Elliston P. Morris Prize" of \$80 is given in alternate years, the competition being open to all undergraduates and to graduates of one year's standing.

JOHN B. GARRETT READING PRIZE FUND

Founded in 1908 by gift of \$2,000 par value of bonds by John B. Garrett, '54. Present par value, \$2,000, but bonds are in default. It was the purpose of the donor to ensure the permanence of a prize or prizes for Systematic Reading, amounting to \$100 annually, which he had given for a number of years.

SPECIAL ENDOWMENT FUND

Founded in 1909 by gift of \$12,000 par value of bonds from an anonymous donor. Present par value, \$12,000. The income only of this fund is to be used "to furnish opportunity for study of social and economic and religious conditions and duties connected therewith, especially from a Christian point of view." The income is used toward the expenses of Summer Schools for Religious Study, which have been held at Haverford College from time to time.

ENDOWMENT FUNDS

SCHOLARSHIP IMPROVEMENT PRIZE FUND

Founded in 1913 by gift of \$2,000 par value of bonds from John L. Scull, '05. Present par value, \$2,000. The income only to be used to establish two prizes of \$50 and \$45 annually to the two students in the graduating class showing the most marked and steady improvement in scholarship during their college course.

ELIZABETH P. SMITH FUND

Founded in 1915 by bequest of \$1,000 from Elizabeth P. Smith. Present par value, \$1,032.00. The income only to be used as a prize for the best essays on Peace written by the students of the College.

S. P. LIPPINCOTT HISTORY PRIZE FUND

Founded in 1917 by gift of \$2,500 par value of bonds from beneficiary of the estate of S. P. Lippincott, '86. Present par value, \$2,500. The income only to be used as an annual history prize, which is designated "The S. P. Lippincott History Prize."

FRANCIS STOKES FUND

Founded in 1919 by gift of \$5,000 in securities from Francis J. Stokes, '94, in memory of his father, Francis Stokes, of the Class of 1852, and a Manager of Haverford from 1885 until his death in 1916. Present par value, \$5,000. The income is to be used for extending the planting of trees and shrubs on the College grounds. The wish is expressed, but not as a binding condition of the gift, that the Campus Club should have the direction of the expenditure of this income.

GEORGE PEIRCE FUND

Founded in 1919 by gift of \$600, and increased in 1920 by further gift of \$400, from Harold and Charlotte C. Peirce in memory of their deceased son, George Peirce, '03. Present par value, \$1,000. The income only is to be used for a prize, to be called the George Peirce Prize in Chemistry or Mathematics, to the student who, in the opinion of the Faculty, has shown marked proficiency in either or in both of these studies and who intends to follow a profession which calls for such preparation.

STATED MEETINGS OF THE CORPORATION AND THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

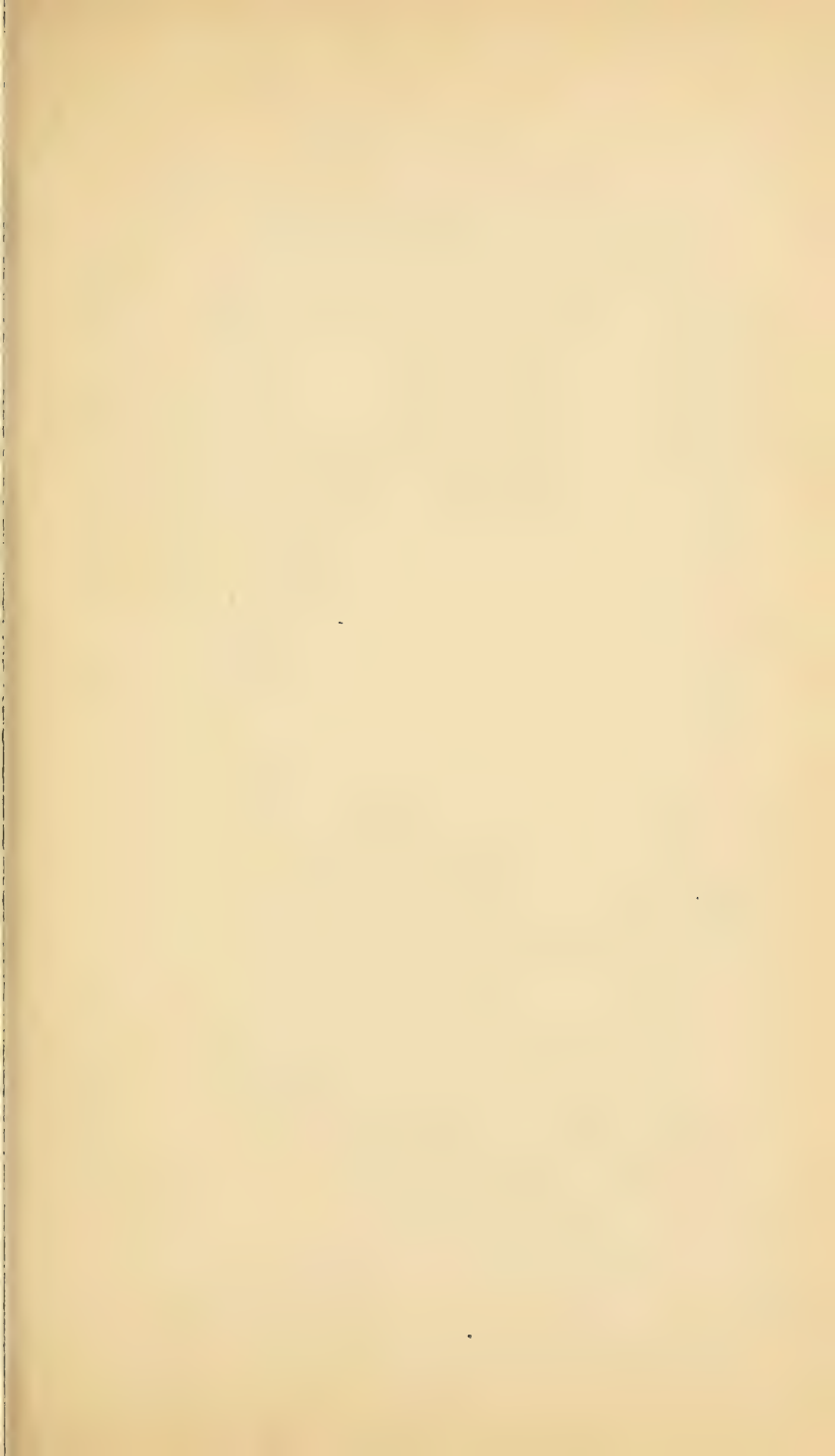
The Stated Meetings of the Managers are held on the third Sixth-day in the First, Third, Fifth, Ninth and Eleventh months.

LEGACIES

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

FORM OF LEGACY

I give and bequeath (if personal)—devise (if real)—to "The Corporation of Haverford College," the sum of (or if real estate, describe it).....to have and to hold to them, their successors and assigns, to the use of the said "The Corporation of Haverford College," their successors and assigns.





CATALOGUE
OF
HAVERFORD COLLEGE
1920-1921



HAVERFORD, PA.

1921

	S	M	T	W	T	F	S		S	M	T	W	T	F	S
September	...	...	...	...	1	2	3	November	...	...	1	2	3	4	5
	4	5	6	7	8	9	10		6	7	8	9	10	11	12
	11	12	13	14	15	16	17		13	14	15	16	17	18	19
	18	19	20	21	22	23	24		20	21	22	23	24	25	26
	25	26	27	28	29	30	...		27	28	29	30	...	...	...
October	...	...	...	...	...	...	1	December	...	...	...	...	1	2	3
	2	3	4	5	6	7	8		4	5	6	7	8	9	10
	9	10	11	12	13	14	15		11	12	13	14	15	16	17
	16	17	18	19	20	21	22		18	19	20	21	22	23	24
	23	24	25	26	27	28	29		25	26	27	28	29	30	31
	30	31	...	...	...	...	...			

1922

	S	M	T	W	T	F	S		S	M	T	W	T	F	S
January	1	2	3	4	5	6	7	April	...	...	...	...	...	...	1
	8	9	10	11	12	13	14		2	3	4	5	6	7	8
	15	16	17	18	19	20	21		9	10	11	12	13	14	15
	22	23	24	25	26	27	28		16	17	18	19	20	21	22
	29	30	31	...	...	...	...		23	24	25	26	27	28	29
									30	...	...	...	...	...	...
February	...	...	...	1	2	3	4	May	...	1	2	3	4	5	6
	5	6	7	8	9	10	11		7	8	9	10	11	12	13
	12	13	14	15	16	17	18		14	15	16	17	18	19	20
	19	20	21	22	23	24	25		21	22	23	24	25	26	27
	26	27	28	...	...	...	...		28	29	30	31	...	...	...
March	...	...	...	1	2	3	4	June	...	...	...	...	1	2	3
	5	6	7	8	9	10	11		4	5	6	7	8	9	10
	12	13	14	15	16	17	18		11	12	13	14	15	16	17
	19	20	21	22	23	24	25		18	19	20	21	22	23	24
	26	27	28	29	30	31	...		25	26	27	28	29	30	...

CALENDAR

1921-1922

Examinations for Admission	Sept. 19, 20, 21, 1921
College Year, 1921-1922, begins, 9.10 A. M.....	Sept. 22
First Quarter ends, 4.00 P. M.	Nov. 16
Thanksgiving Recess	Nov. 24, 25, 26
Winter Recess begins, 4.00 P. M.	Dec. 20
Winter Recess ends, 8.30 A. M.	Jan. 4, 1922
Second Half-year begins, 8.30 A. M.	Feb. 6
Third Quarter ends, 1.00 P. M.	Mar. 25
Spring Recess begins, 1.00 P. M.	Mar. 25
Spring Recess ends, 8.30 A. M.	April 3
Senior Class Day	June 15
Commencement and Alumni Day	June 16

HAVERFORD COLLEGE

HISTORY AND DESCRIPTION

Haverford College was founded in 1833. It owes its origin to the insight and energy of a few members of the Society of Friends from Philadelphia and New York, who, in the spring of 1830, conceived the idea of founding an institution for education in the higher branches of learning. Its object, in the words of the founders, was "to combine sound and liberal instruction in literature and science with a religious care over the morals and manners, thus affording to the youth of our Society an opportunity of acquiring an education equal in all respects to that which can be obtained at colleges."

The founders were incorporated in 1833 under the laws of the Commonwealth of Pennsylvania into the Haverford School Association, a body now known as the Corporation of Haverford College. This corporation elects a board of managers for the control of its affairs and for the administration of its funds. For the founding of the School sixty thousand dollars was raised; but the sum proved insufficient for its maintenance, and for many years the financial deficit was met by liberal subscriptions of friends.

From 1845 to 1848 the School was closed in order to allow the funds to accumulate and to give time for the collection of an endowment. Since that time, by a number of generous bequests and donations, the amount of invested funds yielding interest has been increased to over two and one-half million dollars.

The first building of the College was Founders Hall, erected in 1833. The Observatory was built in 1852, and enlarged in

HAVERFORD COLLEGE

1883. Alumni Hall was built in 1863, and enlarged in 1898 and 1912 to meet the growing needs of the Library. In 1877 Barclay Hall, a dormitory, was erected by friends of the College. The Mechanical Laboratory was established in 1884, and was provided with a new building in 1890; this was burned down in 1896, and Whitall Hall, a new three-story structure, was built. The old Biological Laboratory was established in 1886; Chase Hall for lectures and recitations, and the Physical Laboratory were built in 1888. The Cricket Shed was erected in 1893. In more recent years, during a period of rapid development made possible largely by the general and unfailing coöperation of the alumni, the following additions have been made to the College equipment: in 1899, the Logan and Norris sections of Lloyd Hall, a dormitory; in 1900, a large and well-equipped Gymnasium; in 1903, Roberts Hall, the gift of Lucy Branson Roberts, with College offices and a large auditorium; in 1903, Merion Hall, a dormitory, remodeled from the old Haverford Grammar School building; in 1905, an additional wing to Founders Hall for dining halls and kitchen; in 1906, a permanent building for the heating and lighting plant; in 1907, the enlargement of Merion Hall; in 1909, the Haverford Union, a building presented by Alfred Percival Smith, '84; in 1910, the Chemical Laboratory; in 1912, the Morris Infirmary, given by John T. Morris, '67; in 1913, a new section of Lloyd Hall, given by the estate of the late Justus C. Strawbridge, and a concrete grandstand, the gift of Horace E. Smith, '86; in 1916, the Smith section of Lloyd Hall, from the same donor, and the Kinsey section; in 1917, Isaac Sharpless Hall, for biology and physics. In addition to these College buildings there are a number of residences on the grounds which are occupied for the most part by professors.

HISTORY AND DESCRIPTION

The College has a pleasant and healthful location in the township of Haverford, Delaware County, Pennsylvania, nine miles west of the center of Philadelphia. It is accessible by the main line of the Pennsylvania Railroad and by the Philadelphia and Western Railway. The selection of this site is thus described by the first managers: "We wished to procure a farm in a neighborhood of unquestionable salubrity—within a short distance of a Friends' meeting—of easy access from this city at all seasons of the year . . . recommended by the beauty of the scenery and a retired situation." And they reported that they had purchased for the sum of \$17,865 "an oblong tract of 198½ acres . . . nearly south of the *eight mile* stone on the Lancaster Turnpike." This property has since been increased to two hundred and twenty-five acres with an estimated present value of over one and one-half million dollars. While the greater part is retained as farm and woodland, a lawn of sixty acres was long ago graded and tastefully planted with trees and shrubs by a landscape gardener, so that the natural beauty of the location has increased with passing years. The grounds include five fields for cricket, baseball, American Rugby and association football, a running-track, six tennis courts, and a pond for skating.

Parallel with its material growth there have been changes in the inner life of the College which have affected the methods of administration rather than the essential principles on which the institution was founded. It has gradually increased in number of students, but still enjoys the advantages of a small college. From the first it gave instruction of collegiate scope and grade. Accordingly, in 1856, the name was changed from school to college and the right to confer degrees was granted by the Legislature. In 1861 the preparatory department was abolished. General courses are now given

HAVERFORD COLLEGE

in arts and science. The endowment for salaries and pensions enables the College to maintain a faculty of unusual size in proportion to the number of students, and to expend for the instruction, board, and lodging of each student about twice the sum which he pays.

In accordance with the modern ideals of religious and moral education, the students enjoy ample liberty, safeguarded by their wholesome physical life, by the traditions of the College, and by the intimate association with their professors and fellow students. The deep religious spirit bequeathed by the Quaker founders has been carefully cherished and high ideals of life and conduct are maintained; three times a month the College attends Friends' meeting in a body. In the admission of students and in the appointment of instructors there are no denominational distinctions. The aims of Haverford have been gradually developing and its function is becoming more and more clear—"to encourage the growth, among a limited number of young men, of vigorous bodies, scholarly minds, strong characters, and a real religious experience."

CORPORATION

President

ASA S. WING409 Chestnut St., Phila.

Secretary

J. STOGDELL STOKESSummerdale, Phila.

Treasurer

J. HENRY SCATTERGOOD648 Bourse Building, Phila.

BOARD OF MANAGERS

President, ex officio

ASA S. WING409 Chestnut St., Phila.

Secretary

MORRIS E. LEEDS4901 Stenton Ave., Germantown, Phila.

HAVERFORD COLLEGE

Term Expires 1921

JAMES WOOD	Mt. Kisco, N. Y.
ABRAM F. HUSTON	Coatesville, Pa.
THOMAS F. BRANSON	Rosemont, Pa.
SETH K. GIFFORD	Moses Brown School, Providence, R. I.
CHARLES J. RHOADS	1914 S. Rittenhouse Sq., Phila.
DANIEL SMILEY	Mohonk Lake, N. Y.
WILLARD E. SWIFT	5 Massachusetts Ave., Worcester, Mass.

Term Expires 1922

GEORGE VAUX, JR.	1606 Morris Building, Phila.
FREDERIC H. STRAWBRIDGE	801 Market St., Phila.
JONATHAN M. STEERE	Girard Trust Co., Phila.
L. HOLLINGSWORTH WOOD	20 Nassau St., New York City, N. Y.
STANLEY RHOADS YARNALL	5337 Knox St., Germantown, Pa.
HENRY M. THOMAS	1228 Madison Ave., Baltimore, Md.
WILLIAM WISTAR COMFORT	Haverford, Pa.
RICHARD M. GUMMERE	8 South Twelfth St., Phila.

Term Expires 1923

WILLIAM H. HAINES	1136 Ridge Ave., Phila.
FRANCIS A. WHITE	607 Keyser Building, Baltimore, Md.
JOHN M. WHITALL	410 Race St., Phila.
MORRIS E. LEEDS	4901 Stenton Ave., Germantown, Phila.
EDWARD W. EVANS	304 Arch St., Phila.
HENRY COPE	Awbury, Germantown, Phila.
T. CHALKLEY PALMER	R. F. D. No. 2, Media, Pa.
RICHARD D. WOOD	626 Chestnut St., Phila.

STANDING COMMITTEES OF THE BOARD OF MANAGERS

Executive Committee

JOHN M. WHITALL	MORRIS E. LEEDS
CHARLES J. RHOADS	J. HENRY SCATTERGOOD
GEORGE VAUX, JR.	STANLEY R. YARNALL
FREDERIC H. STRAWBRIDGE	J. STOGDELL STOKES

Committee on Finance and Investments

WILLIAM H. HAINES	CHARLES J. RHOADS
FRANCIS A. WHITE	JONATHAN M. STEERE

Committee on Accounts

J. STOGDELL STOKES	JONATHAN M. STEERE
EDWARD W. EVANS	

Committee on College Property and Farm

FREDERIC H. STRAWBRIDGE	ABRAM F. HUSTON
JOHN M. WHITALL	DANIEL SMILEY
T. CHALKLEY PALMER	

The President of the Corporation is *ex officio* a member of all standing committees.

FACULTY*

WILLIAM WISTAR COMFORT, PH.D., LITT.D., LL.D.
President

†ALLEN CLAPP THOMAS, A.M.
Professor of History, *Emeritus*, and Consulting Librarian

LYMAN BEECHER HALL, PH.D.
John Farnum Professor of Chemistry, *Emeritus*

ALBERT SIDNEY BOLLES, PH.D., LL.D.
Lecturer on Commercial Law and Banking, *Emeritus*

HENRY SHERRING PRATT, PH.D.
David Scull Professor of Biology

JAMES ADDISON BABBITT, A.M., M.D.
Professor of Hygiene and Physical Education

RUFUS MATTHEW JONES, LITT.D., D.D.
Professor of Philosophy

DON CARLOS BARRETT, PH.D.
Professor of Economics

LEGH WILBER REID, PH.D.
Professor of Mathematics

FREDERIC PALMER, JR., PH.D.
Dean and Professor of Physics

WILLIAM EDWARD LUNT, PH.D.
Walter D. and Edith M. L. Scull Professor of English
Constitutional History

* Arranged in order of appointment to present rank.

† Deceased, December 15, 1920.

FACULTY

ELIHU GRANT, PH.D.
Professor of Biblical Literature

*RAYNER WICKERSHAM KELSEY, PH.D.
Professor of History

WALTER SWAIN HINCHMAN, A.M.
Francis B. Gummere Professor of English

LEON HAWLEY RITTENHOUSE, M.E.
Associate Professor of Engineering

ALBERT HARRIS WILSON, PH.D.
Associate Professor of Mathematics

FRANK DEKKER WATSON, PH.D.
Associate Professor of Sociology and Social Work

DEAN PUTNAM LOCKWOOD, PH.D.
Librarian and Associate Professor of Latin

OSCAR MARSHALL CHASE, S.M.
Registrar and Assistant Professor of Drawing

EDWARD DOUGLAS SNYDER, PH.D.
Assistant Professor of English

WILLIAM BUELL MELDRUM, PH.D.
Assistant Professor of Chemistry

JAMES MCFADDEN CARPENTER, JR., A.M.
Instructor in Romance Languages

LEVI ARNOLD POST, A.M., B.A.
Instructor in Greek

* Absent on leave.

HAVERFORD COLLEGE

JOHN ALEXANDER KELLY, PH.D.
Instructor in German

JOHN SAEGER BRADWAY, A.M., LL.B.
Lecturer on Business Law

HELEN SHARPLESS, A.B.
Assistant Librarian

JOHN OTTO RANTZ
Assistant in the Engineering Laboratory

ARLINGTON EVANS
Assistant in Physical Training

HERBERT WILLIAM TAYLOR, M.D.
Assistant in Hygiene and Physical Culture

EDGAR BALDWIN GRAVES, A.B.
Assistant in Physics

JOSEPH DIXON WHITE, S.B.
Assistant in Chemistry

STANDING COMMITTEES OF THE FACULTY

Library.—PRESIDENT COMFORT, Chairman; PROFESSORS THOMAS, PRATT, JONES, GRANT, LUNT and LOCKWOOD.

Delinquent Students.—PROFESSOR REID, Chairman; PROFESSORS BARRETT, PALMER and SNYDER.

Student Petitions.—DEAN PALMER, Chairman; PROFESSORS HINCHMAN, RITTENHOUSE and MELDRUM.

Athletics.—PRESIDENT COMFORT, Chairman; PROFESSORS BABBITT and HINCHMAN, DEAN PALMER and MR. POST.

Advanced Degrees.—PROFESSOR REID, Chairman; PROFESSORS JONES, LUNT, WATSON, MELDRUM and LOCKWOOD.

Prizes.—PROFESSOR JONES, Chairman; PROFESSORS LUNT and HINCHMAN.

Student Affairs.—DEAN PALMER, Chairman; PROFESSORS BABBITT, REID, WILSON and LOCKWOOD.

The Haverford Union.—PROFESSOR JONES, Chairman; PROFESSORS REID, HINCHMAN and MR. CARPENTER.

Catalogue.—PROFESSOR WILSON, Chairman; PROFESSOR SNYDER and MR. POST.

ADMISSION

Preliminary correspondence concerning admission to the College is invited, and should be addressed to the President. Candidates for admission to the Freshman Class shall make application on a blank which will be furnished on request. (See page 81.)

Each candidate shall also present a certificate of character from the principal of the school last attended. Principals are requested to write fully as to the character, habits, and ability of applicants. Such statements will have due weight in determining the question of admission.

The subjects which may be presented for admission are divided into two groups in accordance with the following table. The figures given represent "units" according to the system of the Carnegie Foundation.*

Group I (required of all candidates):

English A	}	.....	3
English B			
Mathematics A 1	}	.....	2
Mathematics A 2			
Mathematics C		.....	1
One History		.....	1

Group II (elective):

Latin A (either Latin 1 and 2† or Latin 3‡)	....	2
Latin B (Latin 4, 5 and 6)	.....	2
Elementary Greek (Greek A and B or Greek Cp2)	.....	2

* "A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. A four years' secondary school curriculum should be regarded as representing not more than sixteen units of work."

† Latin 1, 2 and 4 (or 5) will be accepted as constituting 3 units.

‡ Latin 3 must be taken by those who offer only 2 units in Latin and may be taken by no others.

ADMISSION

Advanced Greek (Greek C, F and H)	1
German A	2
German B	1
French A	2
French B	1
Spanish A	2
Botany	1
Chemistry	1
Histories, each	1
Physics	1
Physiology	1
Bible	1
Mathematics D	1½
Mathematics F	1½

Every student must present for admission subjects having a total value of 15 units, arranged as follows:

For the A.B. degree:

All subjects in Group I	7
Latin A and Latin B	4
(Or Greek, 3 units)	
Other subjects from Group II (including one language)	4
(Or, with Greek, 5 units)	

For the S.B. degree:

All subjects in Group I	7
Subjects from Group II (including at least four units in the languages)	8

HAVERFORD COLLEGE

The candidate may give evidence of his preparation in these requirements by either of the following plans for admission :

I. *By Examination only.* The candidate must take entrance examinations in *all* the subjects which he presents for admission. He may take examinations in any of these subjects as preliminary examinations a full year or more before he intends to enter college, but no student will be admitted to a preliminary examination without a certificate from his teacher specifying the subjects in which he is prepared. The examinations taken may be either the ordinary examinations or the equivalent comprehensive examinations.

Students unable to pass all the examinations may be admitted with a few conditions. Each case will be decided on its merits.

II. *By both Examination and Certificate.* This system may be employed by school graduates only. The graduate must present, on blanks supplied by the College and signed by the principal of the school which he has attended, a complete record of his work on all subjects during the last four years of preparation, with the time spent and the grade received in each study. This work is expected to include the subjects with a total value of 15 units prescribed on the preceding page.

He must also take entrance examinations in three subjects, —English, mathematics, and one foreign language. The English will be the examination defined as English B. The mathematics will be both Mathematics A 2 and Mathematics C. The language required will be, for the A.B. degree, either Latin B or Advanced Greek ; for the S.B. degree, Latin A or Elementary Greek or German A or French A or Spanish A. In June, at the option of the candidate, comprehensive examinations may be substituted entirely or in part for the ordinary

ADMISSION

examinations: for English B, English Cp; for Mathematics A2 and Mathematics C, Mathematics Cp3; for Latin B, Latin Cp4; for Advanced Greek, Greek Cp3; for Latin A, Latin Cp2; for Elementary Greek, Greek Cp2; for German A, German Cp2; for French A, French Cp2; for Spanish A, Spanish Cp2. As Mathematics A2 and Mathematics C are combined in one comprehensive examination three comprehensive examinations may thus be taken instead of the four ordinary examinations. These examinations must all be taken *and passed at one time* either in June or September.

On the basis of his certificate and his marks in these examinations the applicant will be either admitted without conditions or rejected with permission to apply again for admission according to either plan.

This plan is intended mainly for good students, who, deciding late in their school courses to enter Haverford, would find it difficult to prepare themselves for examination in all their entrance subjects, but could readily pass a good examination in three fundamental subjects of their school course and present a satisfactory certificate for all of it. Candidates of only average ability and those who can take preliminary examinations in regular order will gain nothing by adopting this plan.

Advanced Standing.—Candidates may be admitted to advanced classes if found proficient in all the preceding studies of the course. Each case will be considered on its merits. Students entering from other colleges must present certificates of honorable dismissal.

SCHEDULE OF EXAMINATIONS FOR ADMISSION

Applicants for admission to the Freshman Class are expected to take the examinations held by the College Entrance Examination Board in June in many cities. Those who pass

HAVERFORD COLLEGE

these examinations in June will receive first consideration for all Freshman scholarships and for the limited accommodations annually reserved for Freshmen. For information with regard to these examinations address The College Entrance Examination Board, 431 West 117th St., New York City. The examinations for 1921 are scheduled for June 20-25. Application must be made to the Board before Monday, May 23, 1921, for examinations to be held west of the Mississippi, and before Monday, May 30, 1921, for examinations to be held east of the Mississippi.

Applicants from the public schools of New York State may also be admitted upon presentation of the necessary credits certified by the Regents of the State of New York.

Special Haverford examinations are held in September at the College for the convenience of emergency cases. No applicant should deliberately postpone his examination until September, as no assurance can be given that he will be admitted if the capacity of the College has already been reached.

The schedule of examinations to be held in September, 1921, at Haverford College is as follows:

Monday, September 19th.

9.00-11.30	German A.
11.30- 1.00	German B.
10.00-12.00	Spanish A.
12.00- 1.00	English A.
2.00- 4.00	English B.
4.00- 5.30	Physics.
4.00- 5.30	Bible.

ADMISSION

Tuesday, September 20th.

9.00-10.00	Latin 4.	} Latin B.
10.00-11.00	Latin 5.	
11.00-12.00	Latin 6.	
11.00-12.00	Latin 2.	
12.00- 1.00	Latin 1.	
11.00- 1.00	Latin 3.	
9.00-10.30	Botany.	
10.30-12.00	Chemistry.	
10.30-12.00	Physiology.	
2.00- 4.00	French A.	
4.00- 5.30	French B.	
2.00- 4.00	Elementary Greek.	
4.00- 5.30	Advanced Greek.	
2.00- 5.00	Mathematics D and F.	

Wednesday, September 21st.

9.00-10.30	Mathematics C.
10.30-12.00	Mathematics A 2.
12.00- 1.00	Mathematics A 1.
2.00- 4.00	History.
4.00- 6.00	History (if a second is taken).

REQUIREMENTS FOR ADMISSION IN THE SEVERAL SUBJECTS

ENGLISH *

The requirement in English is that recommended by the National Conference on Uniform Entrance Requirements in English.

* Reprinted from Document 93 of the College Entrance Examination Board.

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REQUIREMENT FOR 1920-1922

The study of English in school has two main objects, which should be considered of equal importance: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation, and the development of the habit of reading good literature with enjoyment.

Grammar and Composition.

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, sentences, and paragraphs should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise letter-writing, narration, description, and easy exposition and argument. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

Literature.

The second object is sought by means of the reading and study of a number of books from which may be framed a progressive course in literature. The student should be

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trained in reading aloud and should be encouraged to commit to memory notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads, and with their place in literary history. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

A few of these books should be read with special care, greater stress being laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions.

EXAMINATION, 1920-1922

However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

Grammar and Composition.

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, and those good usages of modern English which one should know in distinction from current errors. The main test in composition will consist of one or more essays developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections. He will not be expected to write more than four hundred words an hour.

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Literature.

The examination will include :

A. Questions designed to test such knowledge and appreciation of literature as may be gained by an intelligent reading of the books given in List *A* below.

B. A test on the books in List *B* below. This will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

Division of Examination.

When parts *A* and *B* of the examination are taken at different times, each will include a test in grammar and composition.

LIST OF BOOKS, 1920-1922

A. Books for Reading

The books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except that for any book in GROUP I a book from any other may be substituted.

Group I.—Classics in Translation.

The Old Testament, at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther.

The Odyssey, with the omission, if desired, of Books I-V, XV, and XVI.

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The *Æneid*.

The *Odyssey* and the *Æneid* should be read in English translations of recognized literary excellence.

Group II.—Drama.

Shakspere: *Merchant of Venice*.

As You Like It.

Julius Cæsar.

Group III.—Prose Fiction.

Dickens: *A Tale of Two Cities*.

George Eliot: *Silas Marner*.

Scott: *Quentin Durward*.

Hawthorne: *The House of the Seven Gables*.

Group IV.—Essays, Biography, etc.

Addison and Steele: *The Sir Roger de Coverly Papers*.

Irving: *The Sketch Book*—selections covering about 175 pages.

Macaulay: *Lord Clive*.

Parkman: *The Oregon Trail*.

Group V.—Poetry.

Tennyson: *The Coming of Arthur*, *Gareth and Lynette*, *Lancelot and Elaine*, *The Passing of Arthur*.

Browning: *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, “*De Gustibus—*,” *Instans Tyrannus*.

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Scott: *The Lady of the Lake*.

Coleridge: *The Ancient Mariner*, and Arnold: *Sohrab and Rustum*.

B. Books for Study

The books provided for study are arranged in four groups, from each of which one selection is to be made.

Group I.—Drama.

Shakspeare: *Macbeth*, or *Hamlet*.

Group II.—Poetry.

Milton: *L'Allegro*, *Il Penseroso*, *Comus*.

Book IV of Palgrave's *Golden Treasury* (First Series), with special attention to Wordsworth, Keats, and Shelley.

Group III.—Oratory.

Burke: *Speech on Conciliation with America*.

Washington's *Farewell Address*, Webster's *First Bunker Hill Oration*, and Lincoln's *Gettysburg Address*.

Group IV.—Essays.

Macaulay: *Life of Johnson*.

Carlyle: *Essay on Burns*, with a brief selection from Burns's *Poems*.

THE COMPREHENSIVE EXAMINATION IN ENGLISH

The purpose of this examination will be to test the ability of the candidate to define clearly, in writing, ideas gained both from books and from the life around him, and to read with accuracy and appreciation literature as varied in subject matter and form as that listed under "Uniform Entrance Require-

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ments in English." Accuracy in the technique of writing will be insisted upon, but no paper will be considered satisfactory which does not show, in addition to this accuracy, that the student is able to think for himself and to apply what he has learned to the solution of unexpected problems. Although knowledge of the subject matter of the particular books prescribed in the "Uniform Entrance Requirements in English" is not necessary, yet the requisite ability cannot be gained without a systematic and progressive study of good literature.

A candidate for admission to Haverford "by examination only" (see above, p. 18) is required to take the examinations designated as English A and English B, as given by the College Entrance Examination Board or by Haverford College.

A candidate whose certificate entitles him to apply for admission "by both examination and certificate" (see above, p. 18) may take either English B or the Comprehensive Examination in English. The latter is given only by the College Entrance Examination Board; while difficult, it does offer certain advantages to one whose study of literature has not been based on the books listed for special study in English B.

MATHEMATICS

The definition of the requirements in Mathematics is the same as that of the College Entrance Examination Board.

In each subject stress will be laid upon accuracy and neatness of work. Results should be verified.

Mathematics A 1—Algebra: to Quadratics.

The four fundamental operations for rational algebraic expressions.

Factoring, determination of highest common factor and lowest common multiple by factoring.

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Fractions, including complex fractions, and ratio and proportion.

Linear equations, both numerical and literal, containing one or more unknown quantities.

Problems depending on linear equations.

Radicals, including the extraction of the square root of polynomials and of numbers.

Exponents, including the fractional and negative.

Mathematics A 2—Algebra: quadratics and beyond.

Quadratic equations, both numerical and literal.

Simple cases of equations, with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations.

Problems depending on quadratic equations.

The binomial theorem for positive integral exponents.

The formulas for the n th term and the sum of the terms of arithmetical and geometrical progressions, with applications.

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial affairs. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

Mathematics C—Plane Geometry.

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle.

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The solution of numerous original exercises, including problems in loci.

Applications to the mensuration of lines and plane surfaces.

Mathematics D—Solid Geometry.

The usual theorems and constructions of good text-books, including the relation of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle.

The solution of numerous original exercises, including problems in loci.

Application to the mensuration of surfaces and solids.

Mathematics F—Plane Trigonometry.

Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles.

Proofs of the principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas.

Solution of trigonometric equations of simple character.

Theory and use of logarithms (without the introduction of work involving infinite series).

The solution of right and oblique triangles, and practical applications.

HISTORY

A. *Ancient History*, with special reference to Greek and Roman history, and including also a short introductory study of the more ancient nations and the chief events of the early Middle Ages down to the death of Charlemagne.

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B. *Medieval and Modern European History*, from the death of Charlemagne to the present time.

C. *Modern History*.

D. *English History*.

E. *American History*.

G. *American History and Civil Government*.

Each of the above subjects is intended to represent one year of historical work wherein the study is given five times a week, or two years of historical work wherein the study is given three times a week.

The work should include the use of good text-books, collateral reading, practice in written work, and in locating places and movements on outline maps. The candidate should be trained in comparison and in the use of judgment as well as in the use of memory.

LATIN *

I. AMOUNT AND RANGE OF THE READING REQUIRED

(1) The Latin reading, without regard to the prescription of particular authors and works, shall be not less *in amount* than Cæsar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, *Æneid*, I-VI.

(2) The amount of reading specified above shall be selected by the schools from the following authors and works: Cæsar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and *De Senectute*) and Sallust (Catiline and Jugurthine War); Vergil (*Bucolics*, *Georgics*, and *Æneid*) and Ovid (*Metamorphoses*, *Fasti*, and *Tristia*).

* Reprinted from Document 93 of the College Entrance Examination Board.

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II. SCOPE OF THE EXAMINATIONS

(1) *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

(2) *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading:

In 1921 and 1922. Cicero, the third oration against Catiline and the orations for Archias and Marcellus; Vergil, *Æneid*, II, III, and VI.

In 1923, 1924, and 1925. Cicero, the fourth oration against Catiline and the oration for the Manilian Law; Vergil, *Æneid*, I and IV; Ovid, *Metamorphoses*, Book III, 1-137 (Cadmus); IV, 55-166 (Pyramus and Thisbe), and 663-764 (Perseus and Andromeda); VI, 165-312 (Niobe); VIII, 183-235 (Dædalus and Icarus); X, 1-77 (Orpheus and Eurydice); XI, 85-145 (Midas).

Accompanying the different passages will be questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

(3) *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose.

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III. SUBJECTS FOR EXAMINATION

Latin A (for those who offer either 3 or 4 units in Latin):

1. *Grammar.* The examination will presuppose the reading of the required amount of prose (see I, 1 and 2), including the prose works prescribed (see II, 2).

2. *Elementary Prose Composition.* The examination will presuppose the reading of the required amount of prose (see I, 1 and 2), including the prose works prescribed (see II, 2).

Latin A (for those who offer only 2 units in Latin):

3. *Second Year Latin.* This examination will presuppose reading not less in amount than Cæsar, Gallic War, I-IV, selected by the schools from Cæsar (Gallic War and Civil War) and Nepos (Lives); but the passages set will be chosen with a view to sight translation. The paper will include easy grammatical questions and some simple composition.

Latin B:

4. *Cicero and Sight Translation of Prose.* The examination will presuppose the reading of the required amount of prose (see I, 1 and 2), including the prose works prescribed (see II, 2).

5. *Vergil and Sight Translation of Poetry.* The examination will presuppose the reading of the required amount of poetry (see I, 1 and 2), including the poetical works prescribed (see II, 2).

6. *Advanced Prose Composition.*

GREEK

Elementary Greek, admitting to Greek 1.

A. 1. *Greek Grammar.*

2. *Greek Composition.* Translation into Greek of short sentences illustrating common principles of syntax.

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The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

B. *Xenophon's Anabasis, Books I-IV.*

Advanced Greek, admitting to Greek 2.

C. *Homer's Iliad, Books I-III* (omitting Book II, 494-end), and the Homeric forms, constructions, idioms, and prosody.

F. *Prose composition*, consisting of continuous prose based on Xenophon and other Attic prose of similar difficulty.

H. *Translation of passages of Homer at sight.*

GERMAN

German A, admitting to German 1. A knowledge of German grammar and vocabulary sufficient to enable the candidate to translate at sight into idiomatic English easy passages taken from modern German prose; to write out typical declensional and conjugational paradigms and such other grammatical forms as are usually given in school grammars; and to translate into German simple English sentences or a piece of easy connected prose.

Candidates should have read in preparation not less than three hundred pages of modern German, including reading at sight, from the works of at least three different authors.

German B, admitting to German 2. A more thorough knowledge of grammar, vocabulary and idiom than that required for German A, enabling the candidate to read at sight more difficult prose as well as poetry, and to translate into German a number of English sentences or a piece of connected prose requiring both appreciation of the English idiom and knowledge of the corresponding German idiom.

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The work done in German 1 (see page 44) will be considered adequate for preparation.

Students presenting themselves for examination in German B will not be given credit for it unless they pass also the examination in German A.

Students who fail in the examination in German A will not be allowed to enter German 1 without special permission of the instructor; students who fail in the examination in German B will not be permitted to present themselves for re-examination in German B if they have taken German in college.

FRENCH

French A, admitting to French 1. (a) Proficiency in elementary grammar including the more common irregular verbs. (b) Ability to translate simple French prose and to put into French short sentences requiring a knowledge of the simpler idioms. Candidates should have read in preparation not less than three hundred pages, including reading at sight, from the works of at least three different authors.

French B, admitting to French 2. (a) Thorough knowledge of grammar. (b) Ability to translate ordinary French of the nineteenth century. (c) Command of idiom sufficient to put into French a connected passage of ordinary English prose. As preparation an equivalent of the work done in French 1 (see page 45) is adequate.

Students who have presented themselves for examination in French B will not be given credit for it unless they have passed also the examination in French A.

SPANISH

Only Spanish A is accepted, and the requirements are identical with those given above for French A.

ADMISSION

BOTANY

The requirement will be one year's work. The student will be expected to have a fairly definite knowledge of the seed and seedling, root, stem, and leaf, the flower and fruit, the cell, and the natural history and classification of plants. The student's original laboratory note-book, endorsed by his teacher, must be presented at the time of the examination.

CHEMISTRY

The requirements in chemistry will comprehend a course of at least sixty experiments performed by the pupil and accompanied by systematic instruction in the common elements and their compounds, including chemical equations, the simple gas laws, and the fundamental atomic and molecular theories. The student's original laboratory note-book, endorsed by his teacher, must be presented at the time of the examination.

PHYSICS

The requirement will be one year's work, covering mechanics, sound, heat, light, magnetism, and electricity. Emphasis will be laid upon the solution of problems. At least two hours per week of laboratory work must be included. Note-books must be left with the instructor at the time of the examination.

PHYSIOLOGY

The requirement will be one year's work, and will cover the general principles of the subject; functional activity of muscular, nervous, epithelial, and connective tissues; the digestive, circulatory, excretory, and respiratory systems, and the special senses.

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BIBLE

The requirement in Biblical subjects is in accord with the recommendations of The Commission on the Definition of a Unit of Bible Study for Secondary Schools, and gives an option of three types of courses, each the equivalent of four hours of recitation per week for twenty weeks, any two of which may be offered as a minimum requirement.

COURSE OF STUDY

The course of study includes both required and elective subjects, thus combining the breadth of knowledge and culture that comes from variety of studies with opportunity for concentration on limited fields. In addition to a general course in arts or in science, by proper choice of electives more specialized courses can be taken in mechanical engineering, in electrical engineering, or in the preparatory work required for admission to medical schools.

Required Subjects.—For the A.B. degree either Greek or Latin must be presented for entrance, and one of these languages and English must be taken in both Freshman and Sophomore years. One other language and mathematics must be taken in Freshman year. One course in laboratory science is required before graduation; this may either be taken in Freshman year, or deferred and offered in fulfilment of the further requirement that *one* course from the group *biology, chemistry, physics, and mathematics*, be taken after Freshman year. Certain courses in history, economics, psychology, Biblical literature, ethics, and sociology are required during the last three years.

For the S.B. degree the four foreign language units required for entrance may be presented from any of the five languages in which examinations are held, but English and either French or German must be taken in both Freshman and Sophomore years. One other language and mathematics must be taken in Freshman year. One course in laboratory science is required before graduation; this may either be taken in Freshman year, or deferred and offered in partial fulfilment of the further requirement that *two* courses from the group *biology, chemistry, physics and mathematics* must be taken

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after Freshman year. Certain courses in history, economics, psychology, Biblical literature, ethics, and sociology are required during the last three years.

Elective Subjects.—Some choice in languages and in one other group of subjects is allowed in Freshman year. Two electives are to be chosen in Sophomore year. In both Junior and Senior years four elective courses are required and a fifth is permitted. But in order to encourage proper concentration, it is required that after Freshman year at least nine full-year hours be taken in one department and at least six full-year hours in each of two other departments.* The nine hours must be distributed over at least two years.

Conflicting Courses.—A student may not elect conflicting courses except with the consent of the Dean and the two instructors concerned; furthermore, no cuts are allowed in either of the two courses except those actually occasioned by the conflict.

Number of Hours Required.—The minimum number of hours for Freshmen is $17\frac{1}{2}$; for Sophomores, 17; for Juniors and Seniors, 15. Freshmen and Sophomores are required in addition to take Physical Training. Not more than one additional course may be taken in any term without special permission of the Dean.

* In fulfilment of this requirement, no account shall be taken of courses intended primarily for Freshmen (namely Biology 1a, Engineering 1 and 1', English 1, French A, German A, Mathematics 1 and 1', Physics A) even though these courses be taken after Freshman year.

COURSES OF INSTRUCTION

[Unless otherwise indicated all courses are offered in 1921-22.]

GREEK

Either Greek 1 and 2 (or A and 1) or Latin 1 and 2 are required of candidates for the A.B. degree in Freshman and Sophomore years respectively. Students presenting two units of Greek for entrance (see p. 32) will be admitted to Greek 1; those presenting three units may be admitted to Greek 2. All Greek courses are open as electives to those properly qualified.

For New Testament Greek see Biblical Literature 6a.

A. *Course for Beginners.* Thorough study of the elements of the language, followed by the reading of simple Attic prose. This course gives adequate preparation for Greek 1. Students who do not present Greek for admission and desire to begin the study in College, whether they intend to continue in the more advanced courses or not, are strongly advised to elect Greek A in Freshman year, if possible, rather than later.

MR. POST; 4 hours.

1. *Freshman Greek.* Selections from various prose authors; Homer, *Odyssey*. Sight reading. Collateral reading on Greek private life and Greek mythology.

MR. POST; 4 hours.

2. *Sophomore Greek.* Xenophon, *Memorabilia*; Plato, *Apology*; selections from Aristophanes' *Clouds*; selected Greek tragedies. Sight reading. History of Greek literature.

MR. POST; 4 hours.

3. *Advanced Greek.* The instructor will arrange with students electing this course for systematic study of special

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subjects in Greek history, philosophy or literature in connection with the reading of Greek authors.

MR. POST; 3 hours.

4. *Advanced Greek.* A continuation of the work done in Greek 3.

MR. POST; 3 hours.

5. *Advanced Greek Prose Composition.* This course should be taken for at least one year by all candidates for honors in Greek.

MR. POST; 1 hour.

6b. *Greek Literature in English.* Lectures on Greek literature. Reading of Greek classics in translation. Essays and discussions. This course is intended primarily for those who have not studied Greek.

MR. POST; 3 hours, second half-year.

[Not offered in 1921-22.]

LATIN

Either Latin 1 and 2 or Greek 1 and 2 (or A and 1) are required of candidates for the A.B. degree in Freshman and Sophomore years respectively. All Latin courses are open as electives to those properly qualified.

1. *Freshman Latin.* Roman literature—Part I. The Republic and the Augustan Age. Reading of selections from the historians and from Plautus, Terence, Cicero, Catullus, and Vergil. Translation at sight. Prose composition.

PROFESSOR LOCKWOOD; 4 hours.

2. *Sophomore Latin.* Roman literature—Part II. The Augustan Age and the Empire. Reading of selections from

COURSES OF INSTRUCTION

Horace, the elegists, Seneca, Pliny, Martial, Juvenal, and Tacitus. Translation at sight.

PROFESSOR LOCKWOOD; 4 hours.

3. *Latin Literature.* Students electing Latin in the Junior year will meet with the instructor individually or in small groups. The reading will be adapted to the professional needs or special tastes of the students and may be selected from any field of classical, patristic, medieval, or modern Latin.

PROFESSOR LOCKWOOD; 3 hours.

4. *Latin Literature.* A continuation of the work done in Latin 3.

PROFESSOR LOCKWOOD; 3 hours.

5. *Advanced Latin Composition.*

PROFESSOR LOCKWOOD; 1 hour.

ENGLISH LANGUAGE AND LITERATURE

All Freshmen are required to take English 1, all Sophomores English 3. The other courses are elective for Juniors and Seniors. No student will be graduated who cannot write a creditable style extemporaneously.

1. *Freshman English.* Informal lectures, weekly themes of about two pages, and longer quarterly themes. Conferences. Readings and discussions of types of literature.

PROFESSORS HINCHMAN and SNYDER; 2 hours.

3. *Sophomore English Literature.* A rapid survey of English literature from Chaucer to Tennyson. The purpose of the course is twofold: to give constant practice in reading rapidly, but with intelligent appreciation, the masterpieces of

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English literature; and to furnish an adequate foundation of literary history for more detailed study in the elective courses of the Junior and Senior years.

PROFESSORS HINCHMAN and SNYDER; 2 hours.

5a. *Argumentation and Debating*. Open to Seniors and Juniors, and by special permission to Sophomores.

PROFESSOR SNYDER; 3 hours, first half-year.

6b. *Advanced Composition*. Open to specially qualified Seniors, Juniors, and Sophomores.

PROFESSOR SNYDER; 3 hours, second half-year.

7b. *Early English*. Bright, *Anglo-Saxon Reader*; *Elene*.

PROFESSOR HINCHMAN; 3 hours, second half-year.

8a. *Middle English*. English literature in the thirteenth and fourteenth centuries. Chaucer, *Canterbury Tales*. English and Scottish ballads.

PROFESSOR HINCHMAN; 3 hours, first half-year.

10a. *Elizabethan Literature*. Study of the chief literature of the Elizabethan period, with special reference to Shakspeare and the development of the drama. Two of Shakspeare's plays are read critically in class.

PROFESSOR HINCHMAN; 3 hours, first half-year.

11b. *Seventeenth Century Literature*. I. Bacon. II. The King James Bible. III. Milton. IV. Dryden.

PROFESSOR HINCHMAN; 3 hours, second half-year.

[Not offered in 1921-22.]

12a. *Eighteenth Century Literature*. I. Pope and his enemies. II. Dr. Johnson and his friends. III. Early English

COURSES OF INSTRUCTION

novelists. IV. Early English romantic poets. Lectures, classroom discussions, and frequent written tests.

PROFESSOR SNYDER; 3 hours, first half-year.

[Not offered in 1921-22.]

13a. *Nineteenth Century Poetry*. Interpretative analysis of poems selected from the works of Coleridge, Wordsworth, Scott, Shelley, Byron, Keats, Rosetti, Arnold, Tennyson, and Browning. Lectures, classroom discussion, and frequent written tests.

PROFESSOR SNYDER; 3 hours, first half-year.

14b. *Nineteenth Century Prose*. A rapid reading course in the works of the masters of modern English prose. More than half the semester is spent in studying the great novelists. Lectures, classroom discussions, and frequent written tests.

PROFESSOR SNYDER; 3 hours, second half-year.

[Not offered in 1921-22.]

15b. *The Contemporary Drama*. A study of the technique and practice of the modern drama, as illustrated in the works of Ibsen and the best modern dramatists of England and America.

PROFESSOR SNYDER; 3 hours, second half-year.

GERMAN

All German courses are elective for those who have satisfactorily completed the prerequisites.

Students wishing to qualify for German 1 may present a satisfactory certificate of their school instruction or may pass an examination in German A.

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A. *Course for Beginners.* Grammar, conversation, and the reading of simple texts. Zinnecker, *Deutsch für Anfänger*.

DR. KELLY ; 4 hours.

1. *Freshman German.* Review of grammar, conversation based on texts read in class, composition, and outside reading. Harris, *A German Grammar*; Whitney and Stroebe, *Easy German Composition*.

DR. KELLY ; 4 hours.

2. *Sophomore German.* Reading of standard works of German literature. Outside reading includes literary criticisms in German of works read in class. Composition.

DR. KELLY ; 4 hours.

3. *The Classical Period of German Literature.* Study of major works of Lessing, Goethe, and Schiller. Lectures. A paper is required each half-year presenting the results of fairly exhaustive research on some important topic of eighteenth century literature.

[Not offered in 1921-22.]

DR. KELLY ; 3 hours.

4. *Modern German Literature.* The drama is studied during the first term, with special reference to Kleist, Grillparzer, Hebbel, and Hauptmann. The second term is devoted to the study of the *Roman* and the *Novelle*; such writers as Keller, Raabe, Storm, and Meyer receive especial attention. Occasional written reports on outside reading are required.

DR. KELLY ; 3 hours.

ROMANCE LANGUAGES

All courses in the Romance languages are elective for Juniors and Seniors who have satisfactorily completed the prerequisites. The courses in Spanish and Italian are primarily for Juniors and Seniors.

COURSES OF INSTRUCTION

French

Students wishing to qualify for French 1 may present a satisfactory certificate of their school instruction in French, or may pass an examination in French A.

A. *Course for Beginners.* Elementary grammar and the reading of simple texts. Emphasis will be laid on pronunciation.

MR. CARPENTER; 4 hours.

1. *Freshman French.* Grammar, composition and reading, both in the class room and as outside work.

MR. CARPENTER; 4 hours.

2. *Sophomore French.* Reading of French classics, both in the class room and as outside work. Typical works of the following authors are read: Corneille, Racine, Molière, La Fontaine, La Bruyère, Mme. de Lafayette, Voltaire, Chateaubriand, Hugo, Balzac. Occasional lectures on the history of French literature. Composition.

PRESIDENT COMFORT; 4 hours.

3. *History of French Literature.* Lectures, with collateral reading and reports on the history of French literature from its origins to the present time.

PRESIDENT COMFORT; 3 hours.

4. *Composition and Conversation.* A course in French conversation and advanced composition. This course may be elected only after consultation with the instructor.

[Not offered in 1921-22.]

MR. CARPENTER; 3 hours.

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Spanish

A. *Course for Beginners.* Grammar, composition and reading.

MR. CARPENTER; 3 hours.

1. *Spanish Literature.* Reading in class of selected works of authors of the nineteenth century and of the Golden Age. Occasional lectures on the literature of the respective periods. Outside reading and reports.

[Not offered in 1921-22.]

MR. CARPENTER; 3 hours.

Italian

A. *Course for Beginners.* Grammar, composition and reading.

MR. CARPENTER; 3 hours.

MATHEMATICS

The courses in mathematics are arranged as far as possible to suit the needs of those students who (1) take them as part of their required Freshman work and do not intend to proceed further in mathematics, or (2) elect them as a minor subject and take either physics or engineering as a major subject, or (3) elect them as a major subject.

Courses 1, 2, 3, and 4 are given every year. The electives offered in any one year will be such as the needs of the department may require. Courses, either for undergraduates or graduates, on certain subjects other than those named below may be arranged for by consultation with the instructor.

In the Library will be found some of the principal journals, treatises, and collected works. Other works and journals may

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be consulted in neighboring libraries. In one of the lecture rooms is a collection of mathematical models.

Courses 1a, 1b, 1a', and 1b' are required of all Freshmen, except that students who have presented solid geometry and trigonometry for entrance must substitute 1c'a for 1a', 1c'b for 1b'. The required courses, together with 1c, constitute the honor courses in mathematics for Freshmen.

Course 2 is for Sophomores. This course, together with 2c, constitutes the honor course in mathematics for Sophomores.

Course 3 should be taken by students electing mathematics in the Junior year. This course, together with 3c, constitutes the honor course in mathematics for Juniors.

The Freshman and Sophomore prizes in mathematics are open only to students taking the honor courses in these years.

1a and 1b. *Algebra*, including infinite series, undetermined coefficients, the binomial theorem for fractional and negative exponents, logarithms, probability, determinants, and the elements of the theory of equations. Fine, *College Algebra*.

PROFESSOR REID; 2 hours.

1a'. *Solid Geometry and Mensuration*. Thompson, *Solid Geometry*.

PROFESSOR WILSON; 2 hours, first half-year.

1b'. *Trigonometry*. The elements of plane trigonometry, including the solution of right and oblique plane triangles,

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with applications to practical problems. Hun and MacInnes, *Plane Trigonometry*.

PROFESSOR WILSON ; 2 hours, second half-year.

1c. *Special Topics in Algebra*.

PROFESSOR REID ; 1 hour.

1c'a. *Projective Geometry*. 1c'b. *Spherical Trigonometry*, with applications. These courses are open to all Freshmen who have passed examinations on acceptable courses in solid geometry and trigonometry in preparatory schools, and they must be taken by those who present these subjects as entrance credits.

PROFESSOR WILSON ; 2 hours.

2. *Plane Analytical Geometry and Differential Calculus*. Fine and Thompson, *Coördinate Geometry*. Murray, *Differential Calculus*.

PROFESSOR WILSON ; 4 hours.

2c. *Special Topics in Analytic Geometry*.

PROFESSOR WILSON ; 1 hour.

3. *Solid Analytic Geometry, Integral Calculus and Elementary Differential Equations*. Fine and Thompson, *Coördinate Geometry*. Murray, *Integral Calculus*.

PROFESSOR REID ; 3 hours.

3c. *Special Topics in Calculus*.

PROFESSOR REID ; 1 hour.

4. *Mechanics*. An historical sketch of the discovery of the principles of mechanics, followed by the mathematical treat-

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ment of statics, dynamics of a particle, and elementary rigid dynamics. Cox, *Mechanics*, and Lamb, *Dynamics*.

PROFESSOR WILSON; 3 hours.

A selection from the following courses is given each year. A student wishing to take any of them should apply to the professor in charge.

5. *Introduction to the Theory of Functions*. Prerequisite, 3. Pierpont, *Functions of a Complex Variable*.

PROFESSOR REID; 3 hours.

6. *Theory of Equations*. Cajori, *Theory of Equations*. An introduction to the Galois theory.

PROFESSOR REID; 3 hours, half-year.

7. *Elements of the Theory of Algebraic Numbers*.

PROFESSOR REID; 3 hours.

8. *Course in Analysis*. Wilson, *Advanced Calculus*, and lectures.

PROFESSOR REID; 3 hours.

9. *Differential Equations*. First half-year, equations with the real variable; second half-year, equations with the complex variable. Prerequisites, 3 and 5.

PROFESSOR WILSON; 3 hours.

HISTORY

Course 1 is elective for Freshmen. Course 2a is required of all Sophomores. Courses 3, 4, 5 and 8 are elective for Juniors and Seniors. History 6 is open only to Seniors.

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1. *English History.* A survey of political, constitutional, economic, and social history, intended as an introductory course.

PROFESSOR LUNT ; 3 hours.

2a. *American History.* A general course, including a brief survey of the colonial period and a more detailed study of the constitutional period to the close of the Civil War.

PROFESSOR KELSEY ; 3 hours, first half-year.

3b. *United States History Since the Civil War.* In this course emphasis is laid upon those developments that help to explain the great political questions of the present.

PROFESSOR KELSEY ; 3 hours, second half-year.

4. *English Constitutional History.* A study of the formation and growth of English institutions, designed to be useful particularly to those who are interested in government and law.

PROFESSOR LUNT ; 3 hours.

5. *Medieval History.* A survey of the history of Europe from the time of the barbarian invasions to about 1600. This course will be given only in alternate years.

PROFESSOR LUNT ; 3 hours.

6. *Modern History.* This course is designed to lead the student through the avenues of history to an understanding of modern political problems. The first part of the course is a brief survey of European history since 1648. This is followed by a more detailed study of the period since 1815.

PROFESSOR KELSEY ; 3 hours.

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8. *English History since 1688.*

[Not offered in 1921-22.]

PROFESSOR LUNT; 3 hours.

ECONOMICS

Economics 1b is required of all Sophomores. The other courses are elective for Juniors and Seniors.

For a related course, see *Sociology 2*, on employment management.

1b. *Elementary Economics.* The purpose of this course is to acquaint the student with the fundamental principles of economic science and to promote his preparation for the duties of citizenship. The principles are developed from a study and discussion of the actual processes and organization of industrial society. Several series of problems are set for solution and discussed in connection with the study of text-books and collateral reading.

PROFESSOR BARRETT; 3 hours, second half-year.

2b. *Business Law.* (1) A general discussion of what a contract is; (2) If the parties to the contract live in different states or counties, which law is held to determine the contract; (3) Who can make a contract; (4) The essential parts of any contract covering offer and acceptance, the formal requisites, and consideration; (5) When a party is not bound by a contract which has the essential parts; (6) Contracts for an illegal purpose and their effect; (7) The effect of implied terms, conditions, warranties and exceptions; (8) How the contractual relation can be terminated by discharge, merger, rescission or performance or breach.

MR. BRADWAY; 3 hours, second half-year.

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3a. *Labor Problems.* A study is made of the labor movement, but with especial reference to the United States; causes of unrest, kinds of wage-payment, the shorter working-day, collective bargaining, trade unionism, strikes and their adjustment, limitation of output, industrial insurance, methods of promoting industrial peace, labor legislation and court decisions.

PROFESSOR BARRETT; 3 hours, first half-year.
[Not offered in 1921-22.]

4a. *Money and Banking.* The course begins with a review of the principles of money and of the functions of a bank, followed by a brief survey of the history and present practice of banking in leading countries, but with extended study of conditions in the United States. Such problems as the monetary standard, credit, price movements and their effects on incomes and the cost of living, crises, foreign exchange, and the organization and operation of the Federal Reserve system are considered.

PROFESSOR BARRETT; 3 hours, first half-year.

5b. *Financial Topics.* Important steps in the monetary, banking, and financial development of the United States. Especial attention is given to the greenbacks and the resumption of specie payments, constituting a study of America's experience with paper money in the period 1861-1879. Inflation of currencies and price improvements in various countries resulting from the war of 1914 are studied. This course should be preceded by Economics 4a. Given by special arrangement only.

PROFESSOR BARRETT; 3 hours, second half-year.

6a. *Corporations—Organization and Finance.* A study is made of business organization and functions, with especial

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emphasis on financing. The topics include forms of organization, covering individual proprietorships, partnerships, and corporations; legal rights and duties of the parties in the organization; the different functions of business enterprise—producing or rendering services, selling, financing, and management; problems of governmental regulation of combinations and trusts.

PROFESSOR BARRETT; 3 hours, second half-year..

7b. Transportation. The historical development and present status of railway systems and water transportation in the United States are treated. The problems of rate-making, pooling, consolidation, public control, are discussed. The relation of railways to shippers and to the public is shown.

PROFESSOR BARRETT; 3 hours, second half-year.

[Not offered in 1921-22.]

SOCIOLOGY AND SOCIAL WORK

Courses 1 and 2 are elective for Juniors and Seniors. Course 3b is required of Seniors.

1. *Sociology and Modern Social Problems.* This course combines the study of sociology with a study of current social problems. The chief factors in social organization and evolution are illustrated by a study of concrete problems, especially through the study of the origin, development, structure and functions of the family, considered as a typical human institution. Other principles of social life are illustrated by a study of a number of concrete social problems selected from contemporary American society.

PROFESSOR WATSON; 3 hours.

[Not offered in 1921-22.]

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2. *Problems of Employment.* A study of the efficiency movement as applied to business, especially in the field of industrial relations. An intensive study of the nature, objects and technique of the modern functionalized employment department will be made.

PROFESSOR WATSON; 3 hours.

3b. *The Basis and Program of Social Work.* The course begins with an analysis of the scientific basis underlying social work and then proceeds to a discussion of the program of social work. This includes an examination of (1) those organized efforts which seek to adjust the individual to his environment (social case work), and (2) those social movements which aim primarily to improve social conditions (social mass work). The inter-relations of these two parts of the program of social work are indicated.

PROFESSOR WATSON; 3 hours, second half-year.

BIBLICAL LITERATURE

Course 1a is required of all Juniors. The other courses are elective.

1a. *Introduction to the Old Testament.* The literature of the Old Testament in its historical setting.

PROFESSOR GRANT; 3 hours, first half-year.

2b. *Introduction to the New Testament.* The historical development of the writings of the New Testament; their origin, purpose and contents.

PROFESSOR GRANT; 3 hours, second half-year.

3a. *Early Oriental Civilizations.* A course in oriental life and thought based on the history and literature of the Egyp-

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tians, Babylonians and other Eastern peoples. Modern explorations and discoveries are followed, and the development of social institutions, politics, art and religion is traced.

PROFESSOR GRANT; 3 hours, first half-year.

4. *Hebrew*. The elements of the language and readings in the Hebrew Bible. Elementary courses in Babylonian and Arabic or an advanced course in Hebrew may be substituted.

PROFESSOR GRANT; 3 hours.

5b. *The Life of Christ and the Life of Paul*. Studies in the sources and comparison of the New Testament books, with special reference to the founder of Christianity and to the great missionary apostle.

PROFESSOR GRANT; 3 hours, second half-year.

6a. *Greek New Testament*. Reading in Greek of the New Testament and other early Christian writings, two hours a week. Lectures, one hour a week, in explanation of the historical, literary and doctrinal content.

PROFESSOR GRANT and MR. POST; 3 hours, first half-year.

PHILOSOPHY

Course 1b is required of all Juniors. Course 5a is required of all Seniors. All other courses are elective for Juniors and Seniors. But Course 6 is intended primarily for graduate students and may be taken only by special permission of the instructor.

1b. *Psychology*. A course in general psychology. James, *Psychology (Briefer Course)*, is used as a text-book supplemented by lectures. A short series of lectures is also given on logic.

PROFESSOR JONES; 3 hours, second half-year.

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2a. Development of Christian Thought. This course is devoted to a study of the original message of Christianity and the development of Christian thought as found in the Gospels and Epistles of the New Testament. It consists of lectures, assigned reading, and theses.

PROFESSOR JONES ; 3 hours, first half-year.

3b. Development of Christian Thought. This course deals with the great types of Christian thought in its development in different epochs of the Church from the end of the Apostolic Age down to modern times, including the intellectual movement of the first three centuries, the Augustinian conception of Christianity, the Lutheran, the Calvinistic, and the Quaker conceptions. Lectures, assigned reading, and theses.

PROFESSOR JONES ; 3 hours, second half-year.

4. History of Philosophy. The chief systems of philosophy from the earliest period down to the present time. The development of theories of idealism receives special attention. The text-books required are Cushman, *A Beginner's History of Philosophy*, and Calkins, *The Persistent Problems of Philosophy*. Lectures, collateral reading, discussions, and theses.

PROFESSOR JONES ; 3 hours.

5a. Ethics. This course covers the field of ethics, the nature of ethical goodness, the fundamental characteristics and implications of personality, the nature of conscience, the possibility and scope of freedom, and theories of the ethical end of life. Some one system of ethics must be mastered by the student and be presented in a thesis.

PROFESSOR JONES ; 3 hours, first half-year.

6. Religious and Philosophical Movements. This course is for advanced students and honor men only, and is conducted

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on the seminar method. Different epochs are studied from year to year.

PROFESSOR JONES; 2 hours.

ASTRONOMY

The Haverford College Observatory affords students the means of becoming familiar with the use of astronomical instruments, and of acquiring from actual observation a practical acquaintance with astronomy.

The equipment consists of an equatorial telescope with 10-inch object glass by Clark, eyepieces, filar micrometer, and a Grubb prismatic spectroscope; a meridian circle telescope of $3\frac{3}{4}$ -inch aperture; a combined transit and zenith telescope of $1\frac{3}{4}$ -inch aperture; two sextants; two clocks; a chronograph by Bond; charts, globes, and instruments for elementary laboratory exercises. The astronomical library is housed in the Observatory.

The latitude of the Observatory is $40^{\circ} 0' 40'' .1$ north; its longitude, 5 h. 1 m. 14.5 sec. west from Greenwich.

1a. *Descriptive Astronomy.* The leading facts of astronomy with an elementary explanation of the methods by which they are ascertained. One of the three hours of the course will be used as a laboratory period devoted to the study of the constellations, the handling of the telescopes (used for illustration of the text), problems with the globe, and study of the *American Ephemeris*. Moulton, *Introduction to Astronomy*.

PROFESSOR WILSON; 3-hours, first half-year.

2b. *Practical Astronomy.* A study of the sextant, transit, and equatorial; practice in the determination of instrumental constants, latitude, and time. The course is opened with a brief review of the essentials of spherical trigonometry.

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Campbell, *Practical Astronomy*, with use of the *American Ephemeris*. Lectures and observatory work. Prerequisite, *Astronomy 1a*.

PROFESSOR WILSON; 3 hours, second half-year.

BIOLOGY

The biological laboratory occupies the upper two floors of Sharpless Hall, the upper west wing being devoted to a laboratory of physiology and hygiene. It is amply equipped with microscopes, reagents, and all other necessary apparatus and appliances. It also contains several hundred biological works and zoological, anatomical, and botanical charts.

The courses of the department are suitable for students intending to study medicine. Course 1 is required of all Freshmen. Courses 2 to 9 are elective, but Courses 3 to 5, inclusive, must be preceded by Course 2.

1a. Physiology and Hygiene. This course is preparatory to the general physical training required by the College, and includes a series of lectures, with collateral text-book reading, on simple hygiene and preventive cautions, the theory of physical training and a brief review of general physiology including the special sense organs.

PROFESSOR BABBITT; 2 hours, first quarter.

2. Elementary Biology. The lectures of this course are devoted to a discussion of the fundamental principles of the structure and life-processes of animals and plants and also of some of the more important questions relating to their origin and evolution. The laboratory periods are devoted to the practical study of typical representatives of some of the greater groups of animals and plants. Occasional field excursions.

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sions are taken in order to study animals and plants in their natural environment. Two lectures and two laboratory periods a week.

PROFESSOR PRATT; 4 hours.

3. *Comparative Anatomy of Vertebrates.* The laboratory work of this course includes the dissection and study of a cartilaginous and a bony fish, an amphibian, a reptile, a bird, and a mammal. One lecture and two laboratory periods a week.

PROFESSOR PRATT; 3 hours.

4. *General Morphology.* This course is intended for those who may wish to make a more extended study of any group of animals or plants than is possible in the other courses.

PROFESSOR PRATT; 3 hours, or more.

5. *Histology and Embryology of Vertebrates.* The laboratory work in this course is devoted to the study of vertebrate histology and to the embryology of the frog, the chick, and the pig. One lecture and two laboratory periods a week.

PROFESSOR PRATT; 3 hours.

[Not offered in 1921-22.]

6a. *General Botany.* The laboratory work of this course consists of the dissection and study of typical representatives of the principal groups of plants. One lecture or recitation and two laboratory periods a week.

PROFESSOR PRATT; 3 hours, first half-year.

7. *Evolution and Heredity.* This is a general cultural course, intended not only for scientific students but for all who wish to be informed on current biological matters and theories. It consists of lectures and readings on animals and plants,

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and on the most important theories of the nature and maintenance of life and of evolution and heredity.

[Not offered in 1921-22.] PROFESSOR PRATT; 3 hours.

8a. *Human Anatomy*. A course in general and applied anatomy, preparatory to medical, legal and teaching professions. This includes general osteology, syndesmology and myology, and the complete anatomy of the upper and lower extremities. The equipment includes skeleton, manikin, models and charts. The course will be supplemented by visits to the dissecting rooms and anatomical museums in Philadelphia.

PROFESSOR BABBITT; 3 hours, first half-year.

9b. *Advanced and Applied Physiology*. This course continues that of anatomy in a general physiological study, both theoretical and laboratory, of the internal organs. It includes special analysis of blood, digestive secretions, general excretions, stomach analysis, and a careful functional study of thoracic, abdominal and reproductive organs, including brain and central nervous system. Special provision will be made for study of heart and circulatory organs.

PROFESSOR BABBITT; 3 hours, second half-year.

10a. *General Bacteriology*. A course in general and pathogenic bacteriology. Laboratory study of molds, yeasts and household bacteriology, followed by all important pathogenic types, with facilities for study on culture media. Visits will be made to public laboratories of hygiene.

PROFESSOR BABBITT and DR. TAYLOR; 3 hours, first half-year.

11b. *Municipal and Social Service Hygiene*. This course supplements that in General Bacteriology and includes a

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more advanced study of parasitic bacteriology, municipal sanitation, including analysis of water, milk and air; epidemiology and history of world plagues; also general preparation for local and foreign social service. Students will carry on individual investigations of special hygienic subjects.

PROFESSOR BABBITT; 3 hours, second half-year.

GEOLOGY

1b. *Elementary Geology*. A discussion of the general principles of the science. Excursions are taken occasionally in which the physiographical and geological features of the country about Haverford are studied, and trips are made to the important paleontological and mineralogical collections of Philadelphia.

PROFESSOR PRATT; 3 hours, second half-year.

CHEMISTRY

The courses are designed not only to be of general educational value but also to satisfy the requirements of the universities for admission to graduate study and the requirements for admission to the medical schools. The increased entrance requirements of the medical schools have necessitated the extension of Course 4 and the addition of Courses 5a and 6b. The medical schools are, in general, emphasizing the importance of having as extensive a knowledge of chemistry as possible before beginning medical study. Students who intend electing Chemistry as a profession are advised to include French, German, Physics 1 and 3, Mathematics 2 and 3, in their curriculum of studies.

Courses 3, 5a and 6b will be omitted in 1921-1922, and

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Courses 2 and 4 in 1922-1923. For information regarding prizes in Chemistry, see pp. 87 and 90.

1. *Inorganic Chemistry*. Preparation, properties and uses of the non-metallic elements and their compounds. Fixation of nitrogen. Metallurgy of iron, copper and other metals. Manufacture of sulphuric acid, soda, glass, porcelain, cement, fuel gases and other industrial products. Fundamental laws and theories, including the theory of ionization and some of its applications. The laboratory work will illustrate and supplement the main facts brought out in the lectures and will include the qualitative analysis of single salts. Lectures, recitations and laboratory work. Newell, *Inorganic Chemistry for Colleges*.

PROFESSOR MELDRUM, MESSRS. WHITE and GUCKER; 4 hours.

2. *Qualitative Analysis*. Open to those who have passed Chemistry 1. The laboratory work consists of the systematic separation and identification of the commoner metals, tests for the acid radicals usually met with in inorganic chemistry, and the qualitative analysis of unknown minerals, alloys and other substances. Besides giving training in analytical methods, the course emphasizes the principles underlying chemical reactions. Lectures, recitations and laboratory work.

PROFESSOR MELDRUM and MR. WHITE; 3 hours.

3. *Quantitative Analysis*. Open to those who have passed Chemistry 1. Lectures on the general principles of gravimetric, volumetric, electrolytic and colorimetric methods of analysis, the preparation of pure substances, and illustrative types of quantitative separations. In the laboratory typical methods will be applied. 1 hour lecture and 5 hours laboratory work. G. M. Smith, *Quantitative Analysis*.

[Not offered in 1921-22.]

PROFESSOR MELDRUM; 3 hours.

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4. *Organic Chemistry*. Open to those who have passed Chemistry 1. The study of the compounds of carbon, including aliphatic and aromatic derivatives, sugars, alkaloids and coal tar dyes. 2 hours lectures and 5 hours laboratory work.

PROFESSOR MELDRUM and MR. WHITE; 4 hours.

5a. *Physical Chemistry*. Open to those who have passed Courses 1, 2, and 4, and have taken or are taking Course 3. Such topics as the following will be discussed: atomic and molecular weights; the gas laws and liquefaction of gases; the ionization theory; electrochemistry; osmotic pressure and other phenomena of solutions; the law of mass action and velocity of reaction; catalysis; the phase rule and simple applications; thermochemistry. 2 hours lectures and 2½ hours laboratory work.

PROFESSOR MELDRUM; 3 hours.

[Not offered in 1921-22.]

6b. *Organic Chemistry*. Open to those who have passed Courses 4 and 5a. A continuation of Course 4, dealing particularly with generalizations and theories of organic chemistry. The laboratory work will consist in part of quantitative organic analysis. 2 hours lectures and 2½ hours laboratory work.

PROFESSOR MELDRUM; 3 hours.

[Not offered in 1921-22.]

Two special courses may be offered in 1921-1922, open to candidates for honors in chemistry who have already completed a year's work towards honors.

Spectrum Analysis. 2½ hours laboratory work. First half-year.

Photography. 2½ hours laboratory work. Second half-year.

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PHYSICS

The department of physics, with the exception of the electrical laboratory, occupies two floors in Isaac Sharpless Hall. All the rooms are equipped with direct and alternating current, compressed air and vacuum connections.

Physics A, intended for those who have never studied Physics before, covers the same ground as Entrance Physics; and one or the other of these courses is a prerequisite for Physics 1. Physics 1 covers the work required for admission to medical schools and other graduate institutions.

A. *Elementary Physics.* The student is made familiar with physical laws and their applications to daily life, and receives sufficient preparation to enable him to pursue the subject further. Emphasis is laid on the solution of problems. There are two lectures or recitations and one laboratory period per week. Text-book, Hall, *Elements of Physics*.

MR. GRAVES; 3 hours.

1. *General Physics.* This course is open to those who have offered physics for entrance to College or have passed Physics A. Mechanics, sound, heat, light, magnetism, and electricity are studied with the help of problems and lecture demonstrations. A feature of this course is the laboratory work, the chief aim of which is accuracy of observation and of measurement. The text-book is Spinney, *General Physics*.

PROFESSOR PALMER and MR. GRAVES; 4 hours.

3. *Molecular Physics.* A brief study is made of the characteristics of atoms and molecules when at rest and in motion, followed by an investigation of the phenomena observed during the discharge of electricity through gases, and radioactivity. The latter part of the course is devoted to a study of

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the electron theory of matter. There is no text-book; but a great deal of reading is required in the library of reference books. There is no laboratory work; but experiments are performed by the members of the class working together with the instructor. Prerequisite, Physics 1.

PROFESSOR PALMER; 3 hours.

10. *Physics Seminar*. This course may be taken as Honors work. Reading will be assigned upon selected topics. Advanced students who devote the requisite number of hours to it may count this course toward a degree. Experimental work of a nature preliminary to research work may be carried out in a special field of investigation.

PROFESSOR PALMER; hours by arrangement.

Courses 2, 4 and 5 are half-year courses, and may be offered in either half-year according to the needs of those electing them.

2. *Electricity and Magnetism*. Lectures and laboratory work. This course is an extension of Physics 1 and includes a discussion of such topics as Kirchhoff's laws, magnetism in iron and other metals, resistance, current strength, potential, capacity, inductance and the laws of the magnetic circuit.

PROFESSOR PALMER; 3 hours, half-year.

4. *Electric Waves*. This course includes a study of the phenomena of electrical oscillations, Hertz waves, and the elementary principles of radio-telegraphy. Prerequisite, Physics 1.

PROFESSOR PALMER; 3 hours, half-year.

5. *Optics*. Lectures and laboratory work. This course is a continuation of Physics 1, covering reflection, refraction,

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dispersion, interference, diffraction, and polarization. The last part of the course is devoted to a brief study of magneto-optics, and the laws of radiation. The optical laboratory is equipped with the necessary apparatus for such quantitative determinations as may be required.

PROFESSOR PALMER; 3 hours, half-year.

ENGINEERING

The engineering courses are designed to give a thorough training in fundamental engineering principles and as far as practicable to illustrate the application of these principles to their associated industries.

Exceptional facilities for observing the practical side of the work are offered by the many manufacturing companies in and near Philadelphia, and frequent inspection trips are made.

The lack of a general or broad education as well as the lack of thoroughness in fundamentals has been quite universally recognized as limiting the usefulness and opportunities of many in the engineering profession. To provide against these deficiencies, students electing courses in engineering will be required to pursue studies of a general nature (history, ethics, economics, languages, etc.) throughout the four years, and to concentrate largely on mathematics, physics and chemistry, the fundamentals of all engineering. This combination of breadth with thorough groundwork prepares the way for the highest professional development.

A proper selection of electives from the several departments will meet the requirements of varied prospective future careers. As the combinations are numerous, no attempt has been made to outline the several possible courses, but in each case students are counseled as regards their individual needs in arranging their programs of study.

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Past results have shown this combination of required and elective studies to be most satisfactory as regards professional advancement. However, for the needs of those desiring still more advanced technical courses before entering the active work of the profession, very favorable arrangements may be made with technical institutions, all of which grant substantial credit toward advanced standing for work completed at Haverford.

The wood-working and metal-working shops, the laboratory for testing materials and the draughting-room are housed in Whitall Hall. A complete equipment is provided for carrying on bench and machine-tool work in both wood and metal. Steam-engine indicators, standard pressure gauges, calorimeters and electrical measuring-instruments, in connection with the central heating and lighting plant, afford good opportunity for the testing of boilers, engines, air-compressors, dynamos and auxiliaries. A 30,000-pound Riehle screw testing-machine is part of the equipment for testing materials and for studying the laws of stress and strain. The equipment of the draughting-room includes a number of pieces for study and sketching, such as pumps, safety-valves, shaft-hangers, etc.

The electrical engineering laboratory occupies the first floor of the west wing of Founders Hall. The apparatus in this laboratory was selected to illustrate the modern applications as well as the fundamental principles. This includes many types of generators and motors, both alternating and direct; a complete line of measuring instruments; arc and incandescent lamps; galvanometers; bridges, standards, etc. Direct and alternating currents of all necessary varieties are available for tests and calibrations.

Courses 1, 2 and 3 are given, normally, in the first or second half-year, as indicated by *a* or *b*, but may be elected, when the student is properly qualified, in either half-year.

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1a. *Mechanical Drawing*. Notation and orthographic projection on three planes. Anthony, *Mechanical Drawing*.

PROFESSOR CHASE; 2 hours, half-year.

1a'. *Wood Work*. Graded exercises in joinery, turning and pattern making. Goss, *Bench Work in Wood*.

MR. RANTZ; 2 hours, half-year.

1b. *Descriptive Geometry*. Principles and application. Faunce, *Descriptive Geometry*.

PROFESSOR CHASE; 2 hours, half-year.

1b'. *Bench Work in Iron*. Filing, chipping, babbitting, etc. R. H. Smith, *Principles of Machine Work*.

MR. RANTZ; 2 hours, half-year.

2a. *Elements of Mechanism*. A study of the mechanical movements employed in machinery; velocity diagrams and quick return motions; transmission gears. Two lectures or recitations and one draughting-room period a week. Keown, *Mechanism*.

PROFESSORS RITTENHOUSE and CHASE; 3 or 4 hours, half-year.

2b. *Mechanical Drawing*. Sketching from models. Detail drawings, tracings and blue prints from sketches. Practical application of the principles of descriptive geometry and of orthographic projection. Notation.

PROFESSOR CHASE; 2 hours, half-year.

2b'. *Forge and Pipe Work*. Bacon, *Forge Work*.

MR. RANTZ; 2 hours, half-year.

3a. *Empirical Design*. Machine shop shafting, couplings, bearings, hangers, etc.

PROFESSOR CHASE; 2 hours, half-year.

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3a'. *Machine Tool Work*. Graded exercises on lathe, planer, milling machine and drill-press. R. H. Smith, *Advanced Machine Work*.

MR. RANTZ; 2 hours, half-year.

3b. *Machine Design*. The gas, gasoline, and steam engine. Reference library available.

PROFESSORS RITTENHOUSE and CHASE; 2 hours, half-year.

4a. *Heat Engineering*. This course includes a study of steam and gas engines, condensers, air-compressors, steam-boilers, power-plant economies and the cost of power. Horse-power tests are made and efficiencies studied. The thermodynamic principles involved are considered in the latter half of the course. An additional hour in valve-gear work may be elected. Allen and Bursley, *Heat Engines*.

PROFESSOR RITTENHOUSE; 3 hours, first half-year.

5b. *Mechanics of Materials*. A study of the materials employed in engineering construction; of stress and strain; of beams and columns; of shafting; of girders, trusses, combined stresses, etc. A series of tests on the screw testing-machine is made by each student. Boyd, *Strength of Materials*.

Students completing this course may arrange to take a course in structural design. The work in this will be arranged to suit the needs of those who elect it. It will include graphic statics and the design or analysis of a complete roof or bridge truss.

PROFESSOR RITTENHOUSE; 3 hours, second half-year.

6b. *Elementary Plane Surveying*. This course covers the fundamental principles and the approved methods of survey-

HAVERFORD COLLEGE

ing, computing and plotting. The field work includes the use of the tape, compass, transit and level. Text-book, Tracy, *Plane Surveying*.

PROFESSOR RITTENHOUSE; 3 hours, second half-year.

10a. *Elements of Applied Electricity*. This course while fundamental to the more advanced electrical courses is adapted to the needs of those students desiring practical experience with the common applications of electricity. It includes a study of circuits, generators, motors, lamps, transformers, heaters, the telephone, etc. The instruction is carried on by text-book and laboratory work.

PROFESSOR RITTENHOUSE; 3 hours, first half-year.

10b. *Direct Current Apparatus*. A detailed study of direct current apparatus by text-book, lectures and laboratory work. An analysis of power costs and rates, etc.*

PROFESSOR RITTENHOUSE; 3 hours, second half-year.

11a. *Alternating Current Apparatus*. The theory of alternating currents and a study of alternating current apparatus. At least one laboratory period a week.

PROFESSOR RITTENHOUSE; 3 hours, first half-year.

11b. *Measurements in Electricity and Magnetism*. This course will be adapted to the needs of the students electing it. A study of units, standards and the calibration of instruments is included. The recent technical publications of the Bureau of Standards, and of the engineering societies are used for reference.

PROFESSOR RITTENHOUSE; 3 hours, second half-year.

COURSES OF INSTRUCTION

PHYSICAL TRAINING

The college equipment for outdoor athletics includes: Walton Field for Rugby football and track sports, with a concrete grandstand and 440-yard oval and 220-yard straightaway cinder tracks; the Class of 1888 and Merion Fields for Association football; a skating pond; Cope Field for cricket, with players' pavilion and shed for winter practice; a baseball diamond; and several tennis courts.

The Gymnasium contains a main floor, sixty by ninety feet, equipped with the most improved appliances for American and Swedish gymnastics. It has an inclined running track, five feet in width. Adjoining the main floor are offices for the use of the directors in physical examination and measurement, and special student conferences. Adjoining the main hall is a large and comfortable reading-room with magazines and papers. Above are a trophy room and apartments for the use of the College athletic managers and alumni. The basement contains dressing-rooms, a number of well-ventilated lockers, shower-baths, a swimming-pool, and a double bowling-alley. Students are required to furnish their own towels and attend to the laundering of the same. There is a special dressing-room provided for the faculty and visiting athletic teams.

A thorough physical examination is given to each student upon entrance, and another at the end of the Sophomore year. No student whose physical condition is unsatisfactory will be permitted to represent the College on any athletic team. Ability to swim two lengths of the gymnasium pool is required of Sophomores before leaving the required Physical Training Course.

Course 1 is required of Freshmen in connection with Biology 1a (see page 58), Course 2 of Sophomores. Course 3 is elective for Seniors and Juniors, but it may be substi-

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tuted for Course 2 by Sophomores who pass qualification tests at stated periods.

These courses are arranged in accordance with the plan for all-year physical training during Freshman and Sophomore years.

Physical Training 1. A course of instruction in athletic games, partly elective, first and fourth quarters, and in systematic gymnastic training (calisthenics, marching, and apparatus work), second and third quarters.

2 hours, first and fourth quarters.

3 hours, second and third quarters.

Physical Training 2. A course of instruction in athletic games, partly elective, first and fourth quarters, and in advanced gymnastic training, second and third quarters.

2 hours, entire year.

Physical Training 3. Elective practice in advanced gymnastic work; track, soccer and cricket practice with team squads. The former is open to members of the faculty.

THE LIBRARY

The College Library now contains about eighty thousand volumes, besides numerous classified but uncatalogued pamphlets. It has been selected and arranged with the object of making it especially useful to college professors and students. All have free access to the shelves and are permitted to withdraw from the Library any volume except those reserved for special reasons. The Librarian and assistants will do anything they can to help readers to use the Library intelligently and independently.

About six thousand dollars is expended yearly for the purchase of books and periodicals. The Library is a regular government depository and receives from other sources many substantial gifts and bequests.

The collection of Quaker literature is probably the most complete in America. The William H. Jenks collection of Friends' tracts, mostly of the seventeenth century, numbers about fifteen hundred separately bound titles.

The Library possesses the fine Harris collection of over sixty Hebrew, Greek, Latin, Arabic, Syriac and Ethiopic manuscripts collected by J. Rendel Harris. Besides these there is a collection of facsimiles of ancient documents, including photographic facsimiles of the four great manuscripts of the New Testament, of the Freer Washington manuscript, and of the recently discovered Odes of Solomon. There is a collection of more than four hundred Babylonian clay tablets dating from B. C. 2500. There are also seven hundred reproductions in fictile ivory of ancient and medieval carved ivories.

Over two hundred literary and scientific periodicals are taken, besides many annual reports, year-books and irregular continuations.

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The Library is open, with some exceptions, on week days from 8.30 A. M. to 10 P. M., and on Sundays from 3 to 6 P. M. While designed especially for the use of the officers and students, it affords to others the privilege of consulting and, under certain restrictions, of withdrawing books.

THE CHARLES ROBERTS AUTOGRAPH COLLECTION

This autograph collection, formed by the late Charles Roberts, of Philadelphia, a graduate (1864) and for many years a Manager of the College, was in 1902 presented to the College by his wife, Lucy B. Roberts. It consists of more than 11,000 items, embracing not only autograph letters of European and American authors, statesmen, scientists, ecclesiastics, monarchs, and others, but also several series of valuable papers. The whole collection, covering as it does the period beginning with the late fifteenth century and coming down to the present day, is one of unusual historical and literary interest.

It has been housed in a fireproof room, and a careful card catalogue has been prepared. The collection is open for inspection or research on application to the curator, Professor Thomas.

GRADING OF STUDENTS

In determining the standing of the student, daily recitations, hour examinations, and final examinations are all employed. The grades attained by students in their college courses are indicated on reports, issued quarterly, by the five letters, A, B, C, D, E. A indicates a grade from 90 to 100, inclusive; B from 80, inclusive, to 90; C* from 70, inclusive, to 80; D* from 60, inclusive, to 70, and E indicates a failure. The numerical grades are not published. No student is permitted to graduate if his combined average for the Junior and Senior years is below C.

HONORS

Honors are awarded for excellence in the studies of single departments. They are never given merely for performance of routine work in courses, but a considerable amount of extra work is demanded in every case.

Honors are of three kinds:

(a) *Honorable Mention*, to be awarded for work in a single course meeting not less than two hours per week throughout the year, plus additional work to the total amount of not less than 75 hours. Candidates for Honorable Mention must obtain the grade of A in the regular work of the course and pass creditably an examination on the additional work required. Two half-courses in the same department may be construed as a single course. Honorable Mention will be awarded for work in History 2a, or Economics 1b, provided the foregoing requirements as to grade and additional work are satisfied. History 2a may be counted as a full course for Preliminary Honors taken at the end of the Sophomore year.

* But for Freshmen C indicates a grade from 65, inclusive, to 80, and D from 50, inclusive, to 65.

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(b) *Preliminary Honors*, to be awarded at the end of the Sophomore, Junior, or Senior year for not less than two full courses in a single department, plus additional work to the total amount of not less than 150 hours. Candidates for Preliminary Honors must obtain a grade of at least B in all courses required for such honors (see below) and a grade of A in such of these courses as are taken in the year in which they are candidates, and must pass creditably examinations on the additional work required.

(c) *Final Honors*, to be awarded upon graduation for work in the courses of a single department, plus additional work to the total amount of not less than 250 hours. Candidates for Final Honors must take at least four full courses in the department in which they apply for honors, at least two of these courses being in the Junior and Senior years. They must in all of these courses obtain a grade of at least B and in those taken in the Senior year a grade of A, and must pass creditably examinations on the additional work required. There are three grades of final Honors: Honors, High Honors, and Highest Honors. The requirements for High Honors are of a more exacting nature than those for Honors, and Highest Honors are reserved for very exceptional cases. Both High Honors and Highest Honors are awarded only by special vote of the Faculty.

Students entering with advanced standing may offer work done elsewhere towards satisfying the requirements for Preliminary or Final Honors.

A student who has received the prescribed grade in the regular work of a course required for honors, but who has not done the additional work required in connection with such course, may, with the consent of the professor in charge, make up his deficiency in a later year, but in the case of Final

HONORS

Honors all such deficiencies must be made up by the end of the Junior year.

At the time of the award of Honors there shall be added to the general average for the year of each student receiving Honors, one-half of one per cent for each award of Honorable Mention, Preliminary Honors, or Final Honors. In any given year only one such addition may be made to a student's grade for work in any one subject.

The minimum requirements in courses for Preliminary Honors (if offered) and for Final Honors are specified on the next page.

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COURSES REQUIRED FOR PRELIMINARY AND FINAL HONORS

PRELIMINARY HONORS		FINAL HONORS
Greek	1, 2.	1, 2, 3, 4, 5.
Latin	1, 2.	1, 2, 3, 4, 5.
English	1, 3, and the equivalent of one full course in addition.	1, 3, and the equivalent of two full courses in addition.
German	1, 2.	1, 2, and the equivalent of two full courses in addition.
French	1, 2.	1, 2, 3, 4.
Romance Languages	} None given. {	French 1, 2, 3, 4 and Honorable Mention in Spanish A and Italian A.
Mathematics	1, 2.	1, 2, 3, 5.
History	1 and 2a, or two full courses.	Four full courses.
Economics	None given.	Economics 1, 2, 3, 4, 5, 6, 7 and Sociology 2.
Philosophy	None given.	1, 2, 3, 4, 5.
Biology	2, 7.	2, 7, and the equivalent of two full courses from 3, 4, 5, 6, 8.
Chemistry	1 and 2, 3 or 4.	1, 2, 3, 4.
Physics	1 and the equivalent of one full course from 2, 3, 4, 5.	1 and the equivalent of three full courses from 2, 3, 4, 5, 10, and Engineering 10 and 11.
Engineering	None given.	1, 2, and the equivalent of two full courses from 4, 5, 10 and 11.

DEFICIENT STUDENTS

Opportunities for the removal of entrance conditions will be given at the regular entrance examinations in June and September and at a special examination in January.

Opportunities for the removal of first half-year conditions will be given in April and September.

Opportunities for the removal of second half-year conditions will be given in September and January.

Conditions in required courses should be removed at the first regular re-examination period after failure; if not then removed a fee of five dollars will be charged against the student at the next regular re-examination period, whether or not the make-up examination be actually taken. A student who has failed to remove a condition in a required course before that course is again offered shall repeat the course; an elective course may be repeated with the consent of the instructor. No course may be repeated more than once; failure to pass a repeated required course will thus prevent the student from obtaining his degree. For any course begun and either dropped after two weeks, or not passed at the regular examination or at the two succeeding make-up examinations, the student will be charged a fee of five dollars per half-year hour, whether the course be repeated or not. In case of conflict the repeated course shall take precedence over all other courses.

A student who is repeating a course, or who is deficient in class standing in excess of six half-year hours, or who is carrying an entrance condition after the Freshman year, shall have his name appear in the student list of the current catalogue with an asterisk (*) to indicate that he is not in full class standing.

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Usually a student who has more than eight half-year hours of failures against him at the opening of College in September, will be dropped, or, at his option, allowed to enter the next lower class, repeating all the courses of that year.

DEGREES

BACHELOR OF ARTS AND BACHELOR OF SCIENCE

Students who have received credit for the full number of hours in prescribed and elective studies, provided they have for the Junior and Senior years a combined average of C, or above, are granted the degree of Bachelor of Arts or Bachelor of Science. For the difference in the requirements for the two degrees see page 37. The fee for the Bachelor's degree is fifteen dollars.

MASTER OF ARTS AND MASTER OF SCIENCE

Resident graduates who have received the Bachelor's degree from Haverford College may be admitted as candidates for the degree of Master of Arts or Master of Science. Such students must submit, in writing, for the approval of their instructors and the Faculty Committee on Advanced Degrees, a plan of study involving the equivalent of twelve hours a week in advanced courses. This shall be supplemented by additional intensive work equivalent to a three-hour course, which shall be distributed in a manner to be approved by the committee, or at the option of the instructors concerned, by a thesis. This plan shall be filed with the Registrar before October 15th of the year in which the student begins work for the degree. No course shall be credited towards the Master's degree in which the grade attained is lower than B. The fee for the degree is twenty dollars.

ROOMS

Entering Freshmen may choose rooms in the order in which their application blanks for admission (see page 16) are received. For this choice a day is appointed, of which due notice is given in advance. Ten of the \$525 rooms are regularly reserved as a part of the apportionment for Freshmen. The choice of rooms by other students is governed by published rules.

A deposit of \$15 is required of all students, old and new, before a room is reserved. In case the student occupies the room, the amount will be deducted from his bill for the following year; otherwise it will be forfeited.

EXPENSES

The combined charge for tuition (\$200), board (\$250), and room-rent (\$75 to \$225, according to location), varies from \$525 to \$675 a year. This includes heat, electric light, attendance and the use of necessary bedroom furniture, *i. e.*, a chiffonier and a bed, the linen for which is furnished and laundered by the College for an annual fee of five dollars. Students will supply their own study furniture. In general two students share one study and each has his private bedroom adjoining. A few single rooms are also available. The number of students accommodated in the different halls is as follows:

Merion Hall,	9 at \$525 each
Merion Hall,	4 at \$550 each
Merion Hall,	22 at \$575 each
Founders Hall,	8 at \$525 each
Founders Hall,	8 at \$550 each

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Founders Hall,	2 at \$600 each
Barclay Hall,	22 at \$525 each
Barclay Hall,	2 at \$550 each
Barclay Hall,	4 at \$575 each
Barclay Hall,	24 at \$600 each
Barclay Hall,	50 at \$625 each
Barclay Hall,	1 at \$650
Lloyd Hall,	44 at \$675 each

The charge for tuition of day-students is \$200 a year; for tuition and mid-day meal, \$280 a year. For additional fees, see pages 79 and 80.

An annual infirmary fee of five dollars is charged to all students living at the College. A laboratory fee (averaging five dollars) and a bill for materials consumed and for breakage is charged in each of the laboratories. An annual fee of two dollars is charged to all students for the privileges of the Haverford Union (see below). Books and stationery will, at the option of the student, be supplied by the College and charged on the half-yearly bills.

First term bills, for three-fifths of the student's total cash indebtedness for room, board, and tuition for the year, are rendered October first and must be paid before November first. Second term bills are rendered February first and must be paid before March first. Failure to pay within the specified time automatically cancels the student's registration.

THE HAVERFORD UNION

The Haverford Union is a large and attractive building supplied with reading rooms, recreation rooms, sleeping rooms for visiting alumni, and a large assembly hall.

SCHOLARSHIPS

THE MORRIS INFIRMARY

The Morris Infirmary, presented by John T. Morris, '67, has been in operation since the fall of 1912. It contains ten beds, a surgical room, an isolation ward for contagious diseases, and accommodations for physician and nurse. Every provision has been made for both residence and dispensary care of all student conditions, medical and surgical, occurring during the college year. Prompt relief is thus afforded from the dangers of infection through illness in the college dormitories.

Except for the infirmary fee mentioned above, the attendance of the regular nurse is free to students. Medical attendance for brief ailments is also given, free of charge, by the college physician.

SCHOLARSHIPS

All preliminary correspondence concerning scholarships should be addressed to the President of the College.

I. *Corporation Scholarships.* Sixteen scholarships of the annual value of \$300 each, awarded without application to the four students in each class who have the highest average scholarship. This is determined in the case of upper classmen from their general average for the year. In the case of the incoming Freshman Class the scholarships will be assigned immediately after the June examinations (see pages 19-21) to those candidates entering by either plan of admission who are judged to be best prepared to do the work of the College.

II. *Senior Foundation Scholarships.* Six scholarships of the annual value of \$300 each offered to graduates of Earl-

HAVERFORD COLLEGE

ham, Penn, Wilmington, Guilford, and Whittier Colleges, and Friends' University, nominated by their respective faculties.

III. *Isaiah V. Williamson Scholarships*. Two scholarships covering all minimum expenses of board and tuition. One will usually be awarded to a Senior and one to a Junior.

IV. *Richard T. Jones Scholarship*. One scholarship of the annual value of \$200.

V. *Edward Yarnall Scholarship*. One scholarship of the annual value of \$200. Open to Friends only.

VI. *Thomas P. Cope Scholarship*. One scholarship of the annual value of \$200. Open to Friends who intend to teach.

VII. *Sarah Marshall Scholarship*. One scholarship of the annual value of \$200.

VIII. *Mary M. Johnson Scholarship*. One scholarship of the annual value of \$200.

IX. *Joseph E. Gillingham Scholarships*. Four scholarships of the annual value of \$200 each "for meritorious students."

X. *Isaac Thorne Johnson Scholarship*. One scholarship of the annual value of \$225 available for a student of Wilmington College or a member of Wilmington (Ohio) Yearly Meeting of Friends.

XI. *Jacob P. Jones Scholarships*.

Twenty-four scholarships of the annual value of \$150 each. At the discretion of the President six of these scholarships may be assigned within certain geographical districts.

Eight scholarships of the annual value of \$100 each.

SCHOLARSHIPS

All scholarships are given for one year only, but, with the exception of II, they may be renewed by the College if the conduct and standing of the recipient be satisfactory.

The Senior Foundation Scholarships will thus be vacated yearly, and about one-fourth of the others.

The following regulations will govern the grant of scholarships:

1. No scholarship will be given to a student who has conditions.
2. No scholarship will be given to a student who is in debt to the College.

EMPLOYMENT BUREAU

In connection with the Dean's office there is an Employment Bureau through which students may be put in touch with many kinds of remunerative employment. Each year some men are able to make enough money to pay all their college expenses. During the past year students have earned over \$4,000 in more than twenty different occupations.

FELLOWSHIPS

The Clementine Cope Fellowship, of the annual value of \$500, may be awarded by the Faculty to the best qualified applicant from the Senior Class. He is required to spend the succeeding year in study at some American or foreign university approved by the Faculty.

Teaching Fellowships. Two fellowships of \$300 each, involving certain duties at Haverford College, are offered yearly to Haverford College graduates, on the Clementine Cope Fellowship Foundation. They are construed to cover all the charges for tuition, room, and board.

PRIZES

ALUMNI PRIZE FOR COMPOSITION AND ORATORY

The Alumni Association, in the year 1875, established an annual prize of \$50 for excellence in composition and oratory.

THE EVERETT SOCIETY MEDALS

To the members of the winning team in the annual Sophomore-Freshman debate medals are given in memory of the Everett Society.

THE CLASS OF 1896 PRIZES IN LATIN AND MATHEMATICS

These are two prizes worth \$10 each. They will be awarded in books at the end of the Sophomore year to the students who have done the best work for the two years in Latin and mathematics, respectively.

PRIZES

THE CLASS OF 1898 PRIZE IN CHEMISTRY

The Class of 1898 offers a prize of \$10 in books to the member of either the Junior or Senior Class who, in the judgment of the professor, shall have done the most thorough and satisfactory work in chemistry during the year. The prize will not be awarded twice to the same student.

THE CLASS OF 1902 PRIZE IN LATIN

The Class of 1902 offers a prize of \$10 in books to the Freshman whose work in Latin, in recitation and examinations combined, shall be the most satisfactory to the professor in charge of the department.

THE DEPARTMENT OF MATHEMATICS PRIZES

The Department of Mathematics offers two prizes, each of \$10 in books, one to be awarded at the end of the Freshman year, and the other at the end of the Junior year, to the most proficient students in mathematics.

THE ELLISTON P. MORRIS PRIZE

A prize of \$80, open to all undergraduates and to graduates of not more than three years' standing, is offered in alternate years for the best essay bearing on the general problem of "International Peace and the Means of Securing It." The next award will be made May, 1922, and will be announced at Commencement. No prize will be awarded unless a high standard of merit is attained. Essays should be deposited with the Registrar not later than May 1st. The judges for the prize shall be appointed by the President of the College.

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For the 1922 competition the essays may be written on one of the following subjects:

1. The grounds for believing that an international court of arbitral justice will become a substitute for war.
2. The ethical grounds for opposition to war.
3. Will the economic burden of war, and of national armament in time of peace, force the nations of the world to adopt peaceful methods of settling disputes?
4. Lessons for the peace movement in the armed conflicts of 1914 and after.

Essays submitted by undergraduates for this prize may also be submitted for the Elizabeth P. Smith Prize.

THE ELIZABETH P. SMITH PRIZE

A prize of \$35 is offered annually to the undergraduate who presents the best essay on international peace. Essays submitted for the Elizabeth P. Smith Prize may also be submitted for the Elliston P. Morris Prize. Essays for this prize should be deposited with the Registrar not later than May 1st. The judges shall be appointed by the President of the College.

PRIZES IN PHILOSOPHY AND BIBLICAL LITERATURE

A prize of \$40 in books will be offered each year to the student who, in the judgment of the professor in charge, does the most satisfactory amount of outside reading in philosophy in connection with the courses in that department. A second prize of \$25 in books will also be offered. The prizes in philosophy are open to all students taking any course in philosophy.

A prize of \$40 in books will be offered each year to the student who, in the judgment of the professor in charge, does the most satisfactory amount of reading on the Bible and

PRIZES

related subjects. A second prize of \$25 in books will also be offered. The prizes in Biblical Literature may be competed for during any year of the College course.

THE SCHOLARSHIP IMPROVEMENT PRIZE

A first prize of \$50 and a second prize of \$45 will be given at the end of the Senior year to the two students who, in the opinion of the judges appointed by the President of the College, show the most steady and marked improvement in scholarship during their college course.

THE HIBBARD GARRETT MEMORIAL PRIZES FOR VERSE

Two prizes of \$25 and \$15 respectively are awarded for the best verse written by a Haverford undergraduate during the year. Typewritten manuscript, under an assumed name, should be deposited with the Registrar not later than May 1st. The judges shall be appointed by the President of the College.

THE FOUNDERS CLUB PRIZE

A prize of \$25 is offered by the Founders Club to the Freshman who is adjudged to have shown the best attitude toward college activities and scholastic work.

S. P. LIPPINCOTT PRIZE IN HISTORY

A prize of \$100 is offered for competition in the Department of History, open to Seniors and Juniors with the following general provisos:

First.—The prize may be withheld in any year, if the conditions, as provided below, are not met by any of the competitors to the satisfaction of a majority of the judges.

Second.—The prize shall not be awarded twice to the same student.

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Third—Competition is confined to students who have completed at the time of award a minimum of a course and a half, or the equivalent, in the Department of History.

Conditions.

1. In competition for this prize an essay shall be submitted of not less than 5,000 words, offered as evidence of scholarly ability in the collection and presentation of historical material, treating a subject selected from a list announced by the Department of History before the 15th of November.

2. This essay shall be typewritten and deposited under an assumed name with the Registrar on or before May 15th.

3. The judges shall consist of the President of the College and two historians to be selected by him.

GEORGE PEIRCE PRIZE IN CHEMISTRY OR MATHEMATICS

In memory of Dr. George Peirce, 1903, a prize of \$25 is offered annually to a student "who has shown marked proficiency in either or both of these studies and who intends to follow a profession which calls for such preparation. Preference is to be given to a student who has elected organic chemistry, and failing such a student, to one who has elected mathematics or some branch of chemistry other than organic. Should there be two students of equal promise, the one who is proficient in Greek shall be given preference." The prize is offered, however, exclusively for students who expect to engage in research, and it will not be awarded unless the candidate has this expressed intention.

LECTURESHIPS

HAVERFORD LIBRARY LECTURES

The income of \$10,000, received in 1894 from the estate of Mary Farnum Brown, is available by the terms of the gift "to provide for an annual course or series of lectures before the Senior Class of the College, and other students, on the Bible, its history and literature, and as way may open for it, upon its doctrine and its teaching."

THOMAS SHIPLEY LECTURES ON ENGLISH LITERATURE

The sum of \$5,000, presented in 1904 by Samuel R. Shipley, in memory of his father, Thomas Shipley, constitutes the Thomas Shipley Fund. The income of this fund is ordinarily to be used "for lectures on English literature."

SOCIETIES

A Young Men's Christian Association, organized in 1879, has a membership embracing a large number of the student body. It holds meetings twice a week, the midweek meetings being addressed by prominent speakers from outside the College and the Sunday meetings being conducted by students. The work of the association includes a variety of outside activities, such as boys' work in Preston and Ardmore, a number of Bible classes in the College and vicinity, mission work and social work in Philadelphia, deputation work, etc.

The Social Science Club is an organization for those members of the Faculty and students who are especially interested in the discussion of economic, historical, and sociological questions. Meetings are frequently addressed by prominent speakers, and papers are read by members.

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The Scientific Society is an organization with membership drawn from the Faculty and students, having for its object the promotion of interest in general science.

The Radio Club is composed of students interested in wireless telegraphy. It has for its headquarters a fully equipped station in Sharpless Hall for receiving and sending messages.

The Classical Club is composed of members of the Faculty, students, alumni, and others, who are interested in the life and literature of the Greeks and Romans.

A chapter of the Phi Beta Kappa Society, Zeta of Pennsylvania, was established at the College in 1898.

The Founders Club, established in 1914, is an organization of alumni and undergraduates, to which upper classmen become automatically eligible if they attain a grade of at least B in class-room work and take part in a certain number of extra-curriculum activities.

The Cap and Bells Club, composed of both alumni and students, organizes and arranges the musical and dramatic productions of the College.

The Campus Club is an organization of the Faculty, students, and other friends of the College for promoting the study and preservation of trees, shrubs, birds, and wild animals on the College property.

PERIODICALS

The Haverford College Bulletin is issued by the College four times in each collegiate year. Included under this title are the College Reports, Catalogue, Athletic Annual, Alumni Quarterly, and other matter.

The Haverford News and *The Haverfordian* are student publications, the former appearing weekly, and the latter monthly, during the collegiate year.

THOMAS WISTAR BROWN GRADUATE SCHOOL

Founded 1917

Founded as the result of a donation of about \$400,000, the Thomas Wistar Brown Graduate School is located in a residence on College Lane.

In accordance with the expressed approval of the donor, graduate courses are here offered in Biblical literature, philosophy, sociology, history, "and kindred subjects." The scope of the instruction is hence limited to a rather definite preparation for certain lines of usefulness.

A pamphlet descriptive of the Graduate School and its facilities will be sent upon application to the President, Haverford College, Haverford, Pa.

DEGREES CONFERRED, JUNE, 1920

Master of Arts

BAKER, MARGARET ELIZABETH Everett, Pa.
A.B. (Juniata College) 1915.

COBLE, LOVELLA RUTH Guilford College, N. C.
A.B. (Guilford College) 1917.

KISSICK, WILLIAM PERRY Oskaloosa, Iowa
A.B. (Penn College) 1918.

LASSITER, MAUDE ELIZABETH Mechanics, N. C.
A.B. (Guilford College) 1917.

WAGER, PAUL WOODFORD Hector, N. Y.
B.S. (Hobart College) 1917.

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WHITE, MILDRED ESTHERStraughn, Ind.
A.B. (Earlham College) 1918.

WICKERSHAM, EVANGELINE BELLE... ..Oskaloosa, Iowa
Ph.B. (Penn College) 1915.

RESIDENT STUDENTS IN THE THOMAS WISTAR BROWN
GRADUATE SCHOOL, 1920-21

CONOVER, CHASE LEVIOskaloosa, Iowa
B.S. (Penn College) 1917.

MARSHALL, E. HOWARDUnion, Iowa
A.B. (Penn College) 1917.

RATLIFF, EURAH LUCILLEFairmount, Indiana
A.B. (Earlham College) 1920.

WARREN, LUTHER E.Wilmington, Ohio
A.B. (Wilmington College) 1917.

WARREN, SARETTA ELLIOTTWilmington, Ohio
A.B. (Wilmington College) 1917.

DEGREES, PRIZES AND HONORS GRANTED IN 1919-1920

DEGREES

The following degrees were conferred on Commencement Day, June 10, 1920:

Master of Arts

THOMAS HODGSON STUBBS, S.B. (Haverford College, 1919).
Subject: Mathematics.

Bachelors of Arts

HAROLD WALTON BRECHT	THOMAS EDWARD MORRIS
ROBERT WILLIAM BURRITT	JAMES TORBERT MULLIN
LUCIUS WILLIAMS ELDER	KENNETH STUART OLIVER
FRANK THOMSON GUCKER, JR.	ROBERT BUOY SMITH
PIERSON PENROSE HARRIS	GRANVILLE ERNEST TOOGOOD
GILBERT THOMAS HOAG	CHARLES WILBUR UFFORD
MILTON ADOLPH KAMSLER	JOHN STEELE WILLIAMS

As of 1919

WILLIAM JOHN BROCKELBANK	CHESTER ARTHUR OSLER
GORDON BIRDSALL HARTSHORN	JESSE EVAN PHILIPS
FRANKLIN MCCREARY EARNEST, JR.	

As of 1918

ROBERT BRATTON GREER	WILLARD BROWN MOORE
HENRY McLELLAN HALLETT, JR.	

HAVERFORD COLLEGE

Bachelors of Science

BENJAMIN COLLINS, JR.	ROBERT LOWELL PETRY
JOHN RUSSEL FITTS	JOHN DAVIES REESE
THOMAS HENRY KEARNEY	FRANCIS STOKES SILVER
JOSEPH BERNARD KING, JR.	JAMES EDWARD SUTTON
ALFRED DOUGLAS KNOWLTON	SCHUYLER CURTIS VAN SICKLE
CLARENCE JAMES LEUBA	JOSEPH DIXON WHITE
ISAAC CATE LYCETT	ALLAN ZOOK

As of 1919

JOHN SHIELDS HAYNES	ALAN DOUGLAS OLIVER
WILLIAM FAIRBANK HASTINGS	

As of 1918

JOHN MARSHALL CROSMAN	JOHN WILKINS THACHER
OLIVER PARRY TATUM	PERCY STOKES THORNTON

FELLOWSHIPS AND SCHOLARSHIPS

FOR 1920-21

Clementine Cope Fellowships

CLARENCE JAMES LEUBA	CHARLES WILBUR UFFORD
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Teaching Fellowships

FRANK THOMSON GUCKER, JR., 1920
EDGAR BALDWIN GRAVES, 1919

Corporation Scholarships

Class of 1921

CHRISTOPHER ROBERTS	SAMUEL ALBERT NOCK
ALLAN WOODS HASTINGS	RAYMOND THEODORE OHL

PRIZES AWARDED

Class of 1922

KENNETH BETTS WALTON	HARRY WILLIAM PFUND
HENRY SALMON FRASER	RICHARD MANLIFFE SUTTON

Class of 1923

EDWARD KENNETH HAVILAND	WILMOT RUFUS JONES
NORMAN EBY RUTT	DUDLEY MCCONNELL PRUITT

Class of 1924

HOWARD COMFORT	HOWARD JESSUP HOGENAUER
WADE MELVILLE FETZER	GEORGE WASHBOURNE HOWGATE

PRIZES

*Three Everett Society Medals for Extemporaneous Speaking
by Sophomores and Freshmen*

HENRY SALMON FRASER, 1922	JOHN HARKEY REITER, 1922
CRAIGE MCCOMB SNADER, 1922	

*The Class of 1896 Prizes in Latin and Mathematics for
Sophomores*

Latin Divided between HENRY SALMON FRASER and
HARRY WILLIAM PFUND.

Mathematics KENNETH BETTS WALTON

The Class of 1898 Prize in Chemistry for Seniors and Juniors

EDWARD CADMUS HAINES, 1921

The Class of 1902 Prize in Latin for Freshmen

EDWARD KENNETH HAVILAND

The Mathematical Department Prizes in Mathematics

Junior Mathematics CHARLES WILBUR UFFORD, 1920

Freshman Mathematics EDWARD KENNETH HAVILAND

HAVERFORD COLLEGE

The Second Reading Prize in Philosophy for Seniors and Juniors

PIERSON PENROSE HARRIS, 1920

The First Reading Prize in Biblical Literature for Seniors and Juniors

JOSEPH HUTCHISON SMITH, 1921

The Scholarship Improvement Prizes for Seniors

First PrizeJESSE EVAN PHILIPS

Second PrizeROBERT BRATTON GREER

The Hibbard Garrett Memorial Prizes for Verse

First Prize.....WILLIAM ATTICH REITZEL, 1922

“En Passant”

Second PrizeSAMUEL ALBERT NOCK, 1921

“Spring Rain”

The Founders Club Prize

WILMOT RUFUS JONES, 1923

The George Peirce Prize in Chemistry or Mathematics

LUCIUS WILLIAMS ELDER, 1920

The Elizabeth P. Smith Prize

RICHARD REEVE WOOD, 1920

HONORS

Seniors elected to the Phi Beta Kappa Society

At the end of the Junior Year:

CLARENCE JAMES LEUBA EDMUND MORRIS FERGUSSON, JR.

HONORS AWARDED

At the end of the Senior Year:

As of 1920

FRANK THOMSON GUCKER, JR. KENNETH STUART OLIVER
ROBERT LOWELL PETRY CHARLES WILBUR UFFORD

As of 1919

WILLIAM FAIRBANK HASTINGS

Juniors elected to the Phi Beta Kappa Society

CHRISTOPHER ROBERTS JOHN BARCLAY JONES, JR.

Seniors and Juniors elected to the Founders Club

From the Class of 1920

At the end of the Junior Year:

EDMUND MORRIS FERGUSON, JR.

FRANK THOMSON GUCKER, JR. JAMES TORBERT MULLIN
HARRY CALVIN HARTMAN FRANCIS STOKES SILVER
THOMAS HENRY KEARNEY GRANVILLE ERNEST TOOGOOD
CLARENCE JAMES LEUBA JOHN STEELE WILLIAMS

At the end of the Senior Year:

ALAN DOUGLAS OLIVER KENNETH STUART OLIVER
CHESTER ARTHUR OSLER

From the Class of 1921

At the end of the Junior Year:

PAUL HERBERT CASKEY CHRISTOPHER ROBERTS
ALBERT EDWARD ROGERS

FINAL HONORS

High Honors

LUCIUS WILLIAMS ELDERChemistry
GILBERT THOMAS HOAGEnglish

HAVERFORD COLLEGE

Honors

FRANK THOMSON GUCKER, JR. English and Latin

Preliminary Honors

ROBERT ATKINSON Chemistry
ALLEN KAZLITT BUCKNELL Mathematics
HENRY SALMON FRASER History
JOHN FLAGG GUMMERE Latin
EDWARD CADMUS HAINES Chemistry
WILLIAM THOMAS JEBB Chemistry
JOHN BARCLAY JONES, JR. Mathematics
CLARENCE WILBUR UFFORD Mathematics
DAVID HARRIS WILLSON History
JOHN COLVIN WRIGHT Latin

Honorable Mention

CHARLES DAVID ABBOTT, JR. English 3
KENNETH BRADDOCK-ROGERS Chemistry 4
ROBERT BRATTON GREER English 9 and 12
EDWARD KENNETH HAVILAND,

Latin 1 and Freshman Mathematics

WILLIAM BLAIR HEILMAN Mathematics 2
IRWIN COLTON HEYNE Latin 1
JOHN BARCLAY JONES, JR. Mathematics 4
WILMOT RUFUS JONES German 1 and Latin 1
ROBERT LOWELL PETRY Mathematics 4
HARRY WILLIAM PFUND Latin 2
DUDLEY MCCONNELL PRUITT Latin 1
WILLIAM ATTICH REITZEL English 3
NORMAN EBY RUTT Freshman Mathematics
JAMES ECKEL SIDEL Latin 2
RICHARD MANLIFFE SUTTON History 1
KENNETH BETTS WALTON Mathematics 2
JOSEPH DIXON WHITE Chemistry 4

STUDENTS IN THE COLLEGE

In the last column is given the number of the student's dormitory room; Bn is an abbreviation for Barclay Hall, North; Bc, for Barclay Hall, Centre; Bs, for Barclay Hall, South; F, for Founders Hall; L, for Lloyd Hall; M, for Merion Hall; D, for day-student. An asterisk (*) is placed before the name of a student who either is repeating a course, has conditions or deficiencies in excess of six half-year hours, or is carrying an entrance condition after Freshman year.

GRADUATE STUDENTS

Name.	Home Address.	College Address.
Graves, Edgar Baldwin	2304 Madison Sq., Philadelphia, Pa.	38 Bc
A.B. (Haverford College, 1919).		
Gucker, Frank Thomson, Jr.	3420 Hamilton St., Philadelphia, Pa.	18 Bs
A.B. (Haverford College, 1920).		
White, Joseph Dixon	Guilford College, N. C.	20 Bs
S.B. (Haverford College, 1920).		

SENIOR CLASS

Abele, Alan Mason	Narberth, Pa.	D
Arrowsmith, Harold Walton	496 Park Ave., Orange, N. J.	72 Bn
Atkinson, Robert	312 Gowen Ave., Mt. Airy, Pa.	19 L
Babb, Jervis Jefferis	157 Cricket Ave., Ardmore, Pa.	24 Bs
Baker, James McGranahan	St. Davids, Pa.	7 F
Balderston, Richard Mead	Colora, Md.	38 Bc
Bigelow, Henry Charles	917 Columbia Ave., Millville, N. J.	21 Bs
Caskey, Paul Herbert	120 Bay St., Toronto, Can.	22 Bs
Cooper, Edwin Newbold	218 W. Providence Rd., Aldan, Pa.	D
Edmonds, John Branson	1321 Spruce St., Philadelphia, Pa.	15 L
Ewan, Stacy Newcomb, Jr.	Millville, N. J.	39 Bc
*Fansler, Thomas La Fayette, Jr.	Frazer, Pa.	70 Bn
Gebauer, George John	963 W. 10th St., Erie, Pa.	23 Bs
Haines, Edward Cadmus	Moorestown, N. J.	43 Bc
Hastings, Alan Woods	Prescott, Mass.	15 F
Hauff, Edmund Guido	2530 N. 5th St., Philadelphia, Pa.	18 L
Heilman, Eugene Blair	876 Wynnewood Rd., Philadelphia, Pa.	37 Bc
Henderson, Herschel Clifford	113 Maitland St., Toronto, Can.	37 Bc
Hoopes, John Robison	West Chester, Pa.	44 Bc
*Hurwitz, Boris Leon	2829 N. 5th St., Philadelphia, Pa.	54 Bn
Jebb, William Thomas	922 Magee St., Lawndale, Pa.	44 Bc
*Klaren, John Hugo, Jr.	482 County St., New Bedford, Mass.	D
Long, Julian Sax	33 S. Washington St., Wilkes-Barre, Pa.	22 Bs
McKinley, Morrison Cushman	1619 Green St., Philadelphia, Pa.	41 Bc

HAVERFORD COLLEGE

Name.	Home Address.	College Address.
*Macadam, John, Jr.	Grant Ave., Kentmere, Wilmington, Del.	18 L
MacIntosh, Archibald	7 Chalmers Place, Chicago, Ill.	71 Bn
Matzke, David Ernst	805 E. Seneca St., Ithaca, N. Y.	40 Bc
Mengert, William Felix	310 Third St., S. E., Washington, D. C.	1 F
Miller, John Delaplane	Woodsboro, Md.	7 F
Nock, Samuel Albert	319 Division Ave., Hasbrouck Heights, N. J.	23 Bs
Ohl, Raymond Theodore	148 Cricket Ave., Ardmore, Pa.	17 Bs
Pierce, James Lawrence	Radnor, Pa.	11 L
Powell, Amos Arthur	Bryn Mawr, Pa.	6 F
Roberts, Christopher	27 Hillside Ave., Montclair, N. J.	15 L
Roberts, Garrett	27 Hillside Ave., Montclair, N. J.	16 L
Rogers, Albert Edward	Medford, N. J.	41 Bc
Rogers, Joseph Elsworth	56 Church St., Toronto, Can.	16 L
Sangree, Milton Huyett	4031 Baltimore Ave., Philadelphia, Pa.	16 F
Smith, Joseph Hutchinson	419 Dean St., West Chester, Pa.	9 F
*Taylor, Willard Samuel	Malvern, Pa.	39 Bc
Timbres, Harry Garland	Clover Bar, Alberta, Can.	3 F
Weatherby, Benjamin B., 2d	Millville, N. J.	19 L
Wilbur, Bertrand Henry	Haverford, Pa.	3 F
Willson, David Harris	Haddonfield, N. J.	43 Bc
Wood, Robert Newlin	Riverton, N. J.	24 Bs

JUNIOR CLASS

Abbott, Charles David, Jr.	211 S. Walnut St., Milford, Del.	20 L
Arrowsmith, Noel Stryker	496 Park Ave., Orange, N. J.	12 L
Barker, John Bryant	1525 Shady Ave., Pittsburgh, Pa.	66 Bn
Braddock-Rogers, Kenneth	Haddonfield, N. J.	14 F
Brinton, Charles Addison	925 Old Lancaster Rd., Bryn Mawr, Pa.	D
Bucknell, Allen Kazlitt	1761 N. 36th St., East St. Louis, Ill.	34 Bc
Coder, William Dickey	620 S. High St., West Chester, Pa.	11 L
Flanders, Donald Alexander	31 Orchard St., Springfield, Vt.	42 Bc
Fraser, Henry Salmon	1113 First North St., Syracuse, N. Y.	36 Bc
Grigg, Harold Maurice	Haddonfield, N. J.	12 M
Gummere, John Flag	Glen Mills, Pa.	69 Bn
Hall, Percival, Jr.	1 Kendall Green, Washington, D. C.	13 F
Hallock, Joseph	Milton, N. Y.	68 Bn
Heilman, William Blair	876 Wynnewood Rd., Philadelphia, Pa.	31 Bc
Hendricks, William Craig	Chambersburg, Pa.	31 Bc
Hilleman, George Adolph	7152 Meade St., Pittsburgh, Pa.	69 Bn
Janney, Richard Worth	212 W. Upsal St., Germantown, Pa.	13 L
Klemm, Ralph Adam	1204 Lehigh Ave., Philadelphia, Pa.	17 L
Kumm, Henry William	25 Pine Grove Ave., Summit, N. J.	10 F
MacCallum, William Henry, Jr.	6602 Germantown Ave., Philadelphia, Pa.	14 L
Matzke, Robert Rudolph	805 E. Seneca St., Ithaca, N. Y.	32 Bc
Miller, Frederick Stahl	349 N. Duke St., Lancaster, Pa.	12 L
Miller, Karl Matz	217 E. King St., Lancaster, Pa.	9 L
Miller, Vincent Oscar	Dennisville, N. J.	110 M

DIRECTORY

Name.	Home Address.	College Address
*Miner, Edwin Demetrius.....	236 Rich Ave., Mt. Vernon, N. Y.....	22 L
Molitor, Robert Louis.....	4959 Rubicam Ave., Germantown, Pa.....	42 Bo
Montgomery, Thomas Roger, Jr....	Woods Hole, Mass.....	33 Bo
Morris, Elliston Perot.....	131 W. Walnut Lane, Germantown, Pa.....	19 Bs
Muench, Alfred George.....	Haverford, Pa.....	35 Bo
*Nakane, Shigeo.....	621 Nakashibuya, Tokyo, Japan.....	D
Paxon, Chauncey Gause.....	2414 Bryn Mawr Ave., Philadelphia, Pa.....	12 M
Pfund, Harry William.....	115 W. Logan St., Philadelphia, Pa.....	14 M
Reiter, John Harkey.....	452 Walnut St., Allentown, Pa.....	13 M
Reitzel, William Attich.....	Cor. Harvard and Cornell Aves., Swarthmore, Pa....	20 L
Rhoads, William Lester.....	Boyetown, Pa.....	22 L
Sagebeer, Richard Graffin.....	Berwyn, Pa.....	D
Sangree, Nathan Barnitz.....	4031 Baltimore Ave., Philadelphia, Pa.....	11 F
Sidel, James Eckel.....	509 Robeson St., Reading, Pa.....	14 M
Silver, William Easter.....	Aberdeen, Md.....	14 L
Snader, Craige McComb.....	Haverford, Pa.....	13 L
Sutton, Richard Manliffe.....	1547 Clarkson St., Denver, Colo.....	21 Bs
Taylor, Edward Allinson.....	Haverford, Pa.....	35 Bo
Thompson, Edward Jackson.....	Philipsburg, Pa.....	68 Bn
Walton, Kenneth Betts.....	315 Oriental Ave., Atlantic City, N. J.....	33 Bo
Wright, John Colvin.....	116 E. Penn St., Bedford, Pa.....	11 M
Zerrer, Edwin Walter.....	5428 Westford Rd., Olney Park, Pa.....	32 Bo

SOPHOMORE CLASS

Adamson, Thomas.....	Cedartown, Ga.....	8 L
Allen, Russel Greene, Jr.....	Cornwall-on-Hudson, N. Y.....	114 M
Bacon, William Warder, Jr.....	162 Queen Lane, Germantown, Pa.....	13 Bs
Borton, John Carter.....	Moorestown, N. J.....	16 Bs
Brown, Henry Tatnall, Jr.....	Moorestown, N. J.....	15 Bs
Buck, Addison Steward.....	3182 Perry Ave., New York, N. Y.....	6 M
Carpenter, Horace Walton.....	Salisbury, Conn.....	102 M
*Chapman, Joseph Zane Collings..	335 S. 16th St., Philadelphia, Pa.....	3 L
Dennett, Carleton.....	350 W. 55th St., New York, N. Y.....	113 M
Farrar, Hal Gordon.....	1434 Tremont Place, Denver, Colo.....	10 L
Fisher, Guilford Dudley.....	Malvern, Pa.....	10 Bs
Flint, Frank Plumley.....	58 Bradford Ave., Crafton Sta., Pittsburgh, Pa....	112 M
Fry, Gilbert Crawford.....	4612 Chester Ave., Philadelphia, Pa.....	8 L
*Gillespie, Samuel Crawford, Jr....	141 Merrimon Ave., Asheville, N. C.....	1 L
Grimes, George Randle.....	333 Vassar Ave., Swarthmore, Pa.....	116 M
Guthrie, Frank Warren.....	273 North Heights, Youngstown, Ohio.....	10 L
Hamilton, William Henry.....	4835 California St., Omaha, Neb.....	5 F
Haviland, Edward Kenneth.....	Port Deposit, Md.....	4 M
Heyer, Charles Dixon.....	High and Ridgway Sts., Mt. Holly, N. J.....	14 Bs
Heyne, Irvin Coltun.....	5258 Addison St., Philadelphia, Pa.....	25 Bo
Himes, Rees Slaymaker.....	120 E. King St., Shippensburg, Pa.....	21 L
Hoag, Garrett Scattergood.....	Haverford, Pa.....	16 Bs
Holmes, Lee Grant.....	McDonogh School, McDonogh, Md.....	5 F

HAVERFORD COLLEGE

Name.	Home Address.	College Address.
Huffman, George Conrad	Waynesburg, Pa.	21 L
Hunsicker, William Cosgrove, Jr.	1625 Race St., Philadelphia, Pa.	9 Bs
Hunt, George Wood	709 Spruce St., Philadelphia, Pa.	109 M
Hutkin, Marcus Diamonstone	5826 Mascher St., Philadelphia, Pa.	1 M
Jones, Wilmot Rufus	Concord, Mass.	14 Bs
Knowlton, Stephen Brooks	Haverford, Pa.	D
*Leeds, Robert West	162 S. Penn Ave., Atlantic City, N. J.	9 L
Lewis, Andrew Lindsay	Broomall, Pa.	67 Bn
Logan, Thomas Megowan	48 E. Washington Lane, Philadelphia, Pa.	101 M
McDaniel, Delaplaine	Wyncote, Pa.	12 F
Martin, Loyal Decker	529 W. Penn St., Butler, Pa.	105 M
Morris, Marriott Canby, Jr.	131 W. Walnut Lane, Germantown, Pa.	103 M
Morss, Franklin Crawford, Jr.	6703 Cresheim Rd., Mt. Airy, Pa.	115 M
*Nesbit, Robert, Jr.	1128 Heberton Ave., Pittsburgh, Pa.	2 L
Nieh, Kwonkwong	22 Wayside Road, Shanghai, China.	D
Parke, Thomas	Downingtown, Pa.	12 Bs
Pruitt, Dudley McConnell	Chefoo, China.	5 M
Rutt, Norman Eby	Bryn Mawr, Pa.	D
Scott, Kennett Schurch	Oakbourne, Pa.	28 Bc
Shoemaker, Benj. Hallowell, 3d.	523 Church Lane, Germantown, Pa.	3 L
Stevenson, John Bryant	1530 Denniston Ave., Pittsburgh, Pa.	66 Bn
Strawbridge, Gordon Weld	School Lane, Germantown, Pa.	13 Bs
Strayer, Charlton Bevan	101 E. Tremont Ave., New York, N. Y.	6 M
Taylor, Morris Peck	Care of Prof. A. E. Taylor, U. of P., Philadelphia, Pa.	11 Bs
Test, Alfred Longstaff	Eighth and Spruce Sts., Philadelphia, Pa.	15 Bs
Tiffany, John Neil	669 Alden St., Meadville, Pa.	7 M
Wagenseller, Wayne MacVeagh	Mechanicsburg, Pa.	67 Bn
Walton, William Wyclif	315 Oriental Ave., Atlantic City, N. J.	17 M
Warner, Charles, Jr.	2311 W. 11th St., Wilmington, Del.	1 L
White, Nelson Arold	Drexel Hill, Pa.	28 Bc
*Wilbur, Harry Lawrence	Haverford, Pa.	D
Williamson, Alexander Jardine	West Chester, Pa.	111 M

FRESHMAN CLASS

Bader, Charles Frederick, Jr.	163 Main St., Phoenixville, Pa.	58 Bn
Bainbridge, Henry Clay	Beesley's Point, N. J.	4 L
Barry, Robert, 2d.	205 N. 36th St., Philadelphia, Pa.	D
Beideman, Casper Melvin	Merchantville, N. J.	6 Bs
Blair, John Fries	Winston-Salem, N. C.	6 L
Brinton, Cortland Beadle	Bryn Mawr, Pa.	D
Busselle, Samuel Marshall	43 De Lisle Ave., Toronto, Can.	51 Bn
Campbell, James John, Jr.	4747 Bayard St., Pittsburgh, Pa.	51 Bn
Carpenter, Charles Blake, Jr.	Salisbury, Conn.	104 M
Carpenter, Dean	394 Irving Ave., Port Chester, N. Y.	8 Bs
Cole, Webster Jennings, 2d.	369 W. First St., Elmira, N. Y.	5 Bs
Comfort, Howard	Haverford, Pa.	60 Bn
Costenbader, Walter Grosh	Slatington, Pa.	50 Bn

DIRECTORY

Name.	Home Address.	College Address.
Edgerton, David Russell.....	Haverford, Pa.....	D
Ekholm, Wendell Bowman	Wendell Apts., Atlantic City, N. J.....	5 Bs
Ellis, Thomas Southard	5511 Morris St., Germantown, Pa.....	8 F
Fetzer, John Clark.....	Hinsdale, Ill.....	20 F
Fetzer, Wade Melville.....	Hinsdale, Ill.....	20 F
Fisher, John Monroe, Jr.....	222 S. 15th St., Philadelphia, Pa.....	5 L
Frazier, Charles Harrison, Jr.....	1724 Spruce St., Philadelphia, Pa.....	7 Bs
Greenwell, Harold Doman.....	4517 Spruce St., Philadelphia, Pa.....	50 Bn
Hand, William Henry.....	122 S. Franklyn St., Nyack, N. Y.....	30 Bc
Haring, Forrest Chapman.....	2489 Sedgwick Ave., New York, N. Y.....	7 L
Harnwell, Gaylord Probasco.....	615 University Place, Evanston, Ill.....	60 Bn
Hastings, Stanley Bond.....	Prescott, Mass.....	26 Bc
Haviland, Paul Robbins.....	The Knoll, Lansdowne, Pa.....	8 F
Headly, John Frederick.....	West Grove, Pa.....	52 Bn
Heilman, Wesley Marvin.....	876 Wynnewood Rd., Philadelphia, Pa.....	D
Herrick, Colin James.....	Girard College, Philadelphia, Pa.....	59 Bn
Hogenauer, Howard Jessup.....	2640 Morris Ave., Bronx, New York, N. Y.....	107 M
Howgate, George Washbourne.....	414 Carteret St., Camden, N. J.....	15 M
Howland, John Gibbs.....	70 Borden St., New Bedford, Mass.....	2 L
Jefferis, Warren Harper.....	100 E. Walnut Ave., Merchantville, N. J.....	6 Bs
Lee, Robert Harris.....	133 S. Kingston Ave., Atlantic City, N. J.....	8 Bs
Levering, Griffith George.....	The Hollow, Va.....	29 Bc
Longstreth, Richard.....	826 S. 48th St., Philadelphia, Pa.....	7 Bs
Margolis, Abram.....	129 Main St., Coatesville, Pa.....	3 M
Muller, Frank Fenton.....	419 Chestnut Lane, Wayne, Pa.....	3 Bs
Mullin, Arthur.....	Pinecrest, West Chester, Pa.....	58 Bn
Nash, Charles Edgar.....	Wyncote, Pa.....	52 Bn
Nieh, Kwangchi Christopher.....	22 Wayside Rd., Shanghai, China.....	55 Bn
Patterson, Edward Bell.....	42 W. Walnut Ave., Merchantville, N. J.....	2 Bs
Reich, John Frederick.....	Morris Heights, Morrisville, Pa.....	29 Bc
Rhoads, Philip Garrett.....	Moorestown, N. J.....	61 Bn
Rittenhouse, John Olmstead.....	392 Jefferson Ave., Brooklyn, N. Y.....	52 Bn
Robertson, James Theodore.....	1450 Columbus Ave., N. S., Pittsburgh, Pa.....	6 L
Roedel, George Joyce.....	613 Buck St., Millville, N. J.....	2 M
Roskam, Edwin Bernard.....	2300 N. Broad St., Philadelphia, Pa.....	63 Bn
Savage, Albert Edward.....	Low Buildings, Bryn Mawr, Pa.....	1 Bs
Smith, James Bennett, Jr.....	Eureka, N. Y.....	30 Bc
Sprankle, Joseph Fleming, Jr.....	138 E. Long Ave., DuBois, Pa.....	4 L
Taylor, Lawrence Newbold.....	Haverford, Pa.....	61 Bn
Tingley, Charles Love Scott, Jr.....	St. Davids Rd., Wayne, Pa.....	4 Bs
Van Tine, Edward Postlethwaite.....	1706 Girard Ave., Philadelphia, Pa.....	5 L
Van Zandt, Howard.....	662 Henderson St., Fort Worth, Tex.....	17 L
Walker, Elwood Thomas.....	1202 DeKalb St., Norristown, Pa.....	53 Bn
West, William Nelson, 3d.....	Wynnewood, Pa.....	62 Bn
Wilbur, Donald Elliott.....	Haverford, Pa.....	64 Bn
Wilson, Gerald.....	2487 Grand Ave., New York, N. Y.....	7 L
Wood, Horatio C., 3d.....	319 S. 41st St., Philadelphia, Pa.....	59 Bn

HAVERFORD COLLEGE

SUMMARY

Graduate Students	3
Seniors	45
Juniors	46
Sophomores	55
Freshmen	60
<hr/>	
Total	209

TELEPHONE DIRECTORY OF FACULTY AND OFFICERS

	Address	Telephone
	Haverford	(Ardmore Exchange)
Babbitt, Dr. James A.....	3 College Ave.....	50
Barrett, Don C.....	5 College Circle.....	115 W
Carpenter, James McF., Jr.....	Woodside.....	522 W
Chase, Oscar M.....	Founders Hall.....	564 J
Comfort, William W.....	Walton Field.....	455
Grant, Elihu.....	8 College Lane.....	258 W
Hinchman, Walter S.....	1 College Circle.....	1510 J
Johnston, Robert J.....	Founders Hall.....	564 J
Jones, Rufus M.....	2 College Circle.....	97 J
Kelly, John A.....	Founders Hall.....	564 J
Kelsey, Rayner W.....	11 College Ave.....	563 W
Lockwood, Dean P.....	6 College Circle.....	522 J
Lunt, William F.....	5 College Lane.....	1507 W
Meldrum, W. Buell.....	13 College Ave.....	
Palmer, Frederic, Jr.....	7 College Lane.....	97 W
Post, L. Arnold.....	Millbrook Ave.....	406 J
Pratt, Henry S.....	4 College Circle.....	942 J
Reid, Legh W.....	Merion Hall.....	986 W
Rittenhouse, Leon H.....	6 College Lane.....	285 J
Sanger, George T.....	Founders Hall.....	564 J
Sharpless, Miss Helen.....	1 College Ave.....	203 J
Snyder, Edward D.....	15 College Ave.....	1509 W
Taylor, Dr. Herbert W.....	Lancaster Ave.....	1185 J
Thomas, Allen C.....	9 College Lane.....	258 J
Watson, Frank D.....	5 College Ave.....	203 W
Wilson, Albert H.....	7 College Ave.....	216

GENERAL ALUMNI ASSOCIATION OF HAVERFORD COLLEGE

President

J. STOGDELL STOKES,
Summerdale, Philadelphia, Pa.

Secretary

JOSEPH H. HAINES,
5433 Wayne Avenue, Germantown, Philadelphia

OFFICERS OF LOCAL ALUMNI ASSOCIATIONS

New England Haverford Alumni Association

President—REUBEN COLTON, '76, 157 Newbury Street,
Boston, Mass.

Secretary—CHARLES F. BROWN, '17, c/o Harris, Forbes
& Co., 35 Federal Street, Boston, Mass.

New York Haverford Alumni Association

President—A. S. COOKMAN, '02, 85 Wall Street, New
York City, N. Y.

Secretary—E. W. DAVID, '10, c/o Nestles Food Co., 130
William Street, New York City, N. Y.

Haverford Society of Maryland

President—WM. R. DUNTON, JR., '89, Towson, Mary-
land.

Secretary—DONALD B. VAN HOLLEN, '15, 1733 Bolton
Street, Baltimore, Md.

Pittsburgh Haverford Alumni Association

President—GIFFORD K. WRIGHT, '93, 1012 Park Build-
ing, Pittsburgh, Pa.

Secretary—BERNARD LESTER, '04, 751 South Linden
Avenue, Pittsburgh, Pa.

HAVERFORD COLLEGE

Chicago Haverford Alumni Association

President—A. C. WILD, '99, 105 South LaSalle Street, Chicago, Ill.

Secretary—A. L. BAILY, JR., '12, 226 West Adams Street, Chicago, Ill.

Cleveland Haverford Alumni Association

President—JOHN F. WILSON, ex-'10, 1518 Guardian Building, East Cleveland, Ohio.

Secretary—ELLIOT FIELD, '97, 8919 Carnegie Avenue, Cleveland, Ohio.

Haverford Alumni Association of Kansas City, Mo.

President—WALTER W. WHITSON, '08, c/o Kansas City Provident Association, 1115 Charlotte Street, Kansas City, Mo.

Secretary—C. MITCHELL FROELICHER, '12, c/o Kansas City Country Day School, Fifty-first Street and Ward Parkway, Kansas City, Mo.

Haverford Society of Kansas

President—BERT C. WELLS, '04, 220 South Topeka Street, El Dorado, Kans.

Secretary—CYRUS FALCONER, '15, c/o Ross Bros. Seed Co., Wichita, Kans.

Golden Gate Haverford Alumni Association

President—WALTER MORRIS HART, '92, 2255 Piedmont Avenue, Berkeley, Calif.

Secretary—ALFRED W. ELKINTON, '14, Sixth and Grayson streets, Berkeley, Calif.

Southern California Haverford Alumni Association

President—RALPH W. TRUEBLOOD, '05, 5142 West Boulevard, Los Angeles, Calif.

Secretary—JOSHUA L. BAILY, '12, 4435 Ampudia Street, San Diego, Calif.

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SUPPLEMENT

HAVERFORD COLLEGE
CATALOGUE



APRIL, 1921

This supplement contains announcements of certain changes in the curriculum of Haverford College which will go into effect at the beginning of the collegiate year 1921-22. The statements of the current catalogue will hold except in so far as they are amended by the following.

All courses shall have the same weight in determining a student's average grade. (This does not include Physical Training and Biology 1a, which meet less than three hours a week.)

The minimum schedule for any student is five courses, except that, in addition, Sophomores are required to take Physical Training, and Freshmen are required to take Physical Training and Biology 1a. Not more than one additional course may be taken in any half-year except by special permission of the Dean.

CHANGES IN "COURSES OF INSTRUCTION"

GREEK

Courses 1 and 2 are changed from 4 hours to 3 hours.

Course 5 is changed to a half-year course, 5a or 5b; 3 hours, either half-year.

LATIN

A new course: "A". Cicero and Vergil.

PROFESSOR LOCKWOOD; 3 hours.

Courses 1 and 2 are changed from 4 hours to 3 hours.

Course 5 is changed to a half-year course, 5a or 5b; 3 hours, either half-year.

ENGLISH

Course 1, *Freshman English*, is changed from 2 hours to 3 hours.

A new course: "D". Practice in English composition, required of Sophomores whose written work in English 1 has fallen below 70 per cent. The course aims to provide assistance for a few students in accordance with the ruling that "no student will be graduated who cannot write a creditable style extemporaneously." 1 hour.

Course 3, *Sophomore English Literature*, is changed from 2 hours to 3 hours.

Course 5a, *Argumentation and Debating*, will be limited to twelve students, but previous training in debating is not essential.

HAVERFORD COLLEGE

Course 6*b*, *Advanced Composition*, will be limited to twelve students who in the opinion of the instructor are qualified to do advanced work.

Course 10*a* is changed to 10*b*, to be given in the second half-year.

GERMAN

Courses A, 1, and 2 are changed from 4 hours to 3 hours.

FRENCH

Courses A, 1, and 2 are changed from 4 hours to 3 hours.

MATHEMATICS

Course 2 is changed from 4 hours to 3 hours.

HISTORY

Course 2*a* is changed to 2*b* for 1921-22, to be offered the second half-year.

ECONOMICS

Courses 1*b* (changed to 1*a* for 1921-22), 4*a*, and 6*a* are offered the first half-year.

Course 3*a* is offered by the department of Sociology and Social Work.

Courses 2*b* and 5*b* are not offered for 1921-22.

SOCIOLOGY AND SOCIAL WORK

The entire statement in the catalogue is to be replaced by the following:

Courses 1*a* and 1*b* are elective for Sophomores and Juniors; courses 2*a* and 2*b* are elective for Juniors and Seniors.

CHANGES IN COURSES OF INSTRUCTION

1a. *Sociology and Modern Social Problems.* This course combines the study of sociology with a study of current social problems. The chief factors in social organization and evolution and other principles of social life are illustrated by a study of concrete problems selected from contemporary American society.

PROFESSOR WATSON; 3 hours, first half-year.

1b. *Modern Social Movements.* The purpose of this course is to survey those organized movements for social betterment that characterize modern society. These include such movements as family social work, medical social service, social work in the school, community organization and recreation, public health, housing, city planning, and municipal research.

PROFESSOR WATSON; 3 hours, second half-year.

2a. *Labor Problems.* This is the course described as Economics 3a, page 52 of the catalogue. It will be offered in 1921-22 by the department of Sociology and Social Work.

PROFESSOR WATSON; 3 hours, first half-year.

2b. *Problems of Employment.* A study of the efficiency movement as applied to business, especially in the field of industrial relations. An extensive study of the nature, objects, and technique of the modern functionalized employment department will be made.

PROFESSOR WATSON; 3 hours, second half-year.

BIBLICAL LITERATURE

The requirement for Juniors may be met by any one of the courses 1a, or 3a, or 6a.

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BIOLOGY

Course 6a, *Botany*, is changed to 6b, offered in the second half-year.

GEOLOGY

Course 1b, *Elementary Geology*, is changed to 1a, offered in the first half-year.

CHEMISTRY

In place of Course 1, *Inorganic Chemistry*, as announced, there will be offered two courses:

A new course, "A". *Inorganic Chemistry*. Open to those who have not had chemistry in preparatory school. Lectures and laboratory work.

4 hours.

1. *Inorganic Chemistry*. Open to those who have had chemistry in preparatory school.

3 hours.

One or the other of the preceding courses is prerequisite to all other courses in chemistry.

Course 4, *Organic Chemistry*, may be elected with 2½ hours laboratory work at the option of the student; but students preparing for entrance to Johns Hopkins Medical School must elect the course with 5 hours laboratory work in order to meet minimum requirements.

Students intending to specialize in chemistry or to study medicine should begin chemistry in the Freshman year.

CHANGES IN COURSES OF INSTRUCTION

ENGINEERING

Courses 1, 2, and 3 are changed from 2 hours to 3 hours a week and re-arranged as follows. They are offered by the instructor named in the catalogue and may be elected either half-year.

- 1a. *Principles of Mechanical Drawing.*
- 1b. *Descriptive Geometry and Applications.*
- 1a'. *Bench Work in Wood and Iron.*
- 2a. *Elements of Mechanism.*
- 2b. *Working Drawings and Empirical Design.*
- 2b'. *Pipe and Forge Work.*
- 3a. *Machine Design.*
- 3a'. *Machine Tool Work.*

HAVERFORD COLLEGE

CURRICULUM

Freshman Year

English 1

Two from { Latin A or 1
Greek A, 1, or 2
German A, 1, or 2
French A, 1, or 2

Mathematics 1 and 1'

One from { Chemistry A or 1
Physics A
Engineering 1 or 1'
History 1

Physical Training (Biology 1a in first quarter)

Sophomore Year

English 3 (and English D if required)

Economics 1a and History 2b

One of the languages taken in Freshman year

Two from { Greek A, 1, or 2
Latin A, 1, or 2
French A, 1, or 2
German A, 1, or 2
Biology 2
Chemistry A, 1, 2, 3, or 4
Physics 1
Mathematics 2
Engineering 2 or 2'
Sociology 1

Physical Training

Junior Year

Biblical Literature 1a, 3a, or 6a, and Philosophy 1b; four elective courses.

Senior Year

Philosophy 5a; four and one-half elective courses.

SCHEDULE OF CLASSES FOR THE YEAR 1921-1922

Courses enclosed in parentheses are not offered in 1921-22.

a=first half-year. b=second half-year. Eng.=English. Engin.=Engineering.

Classes in Economics 1b, English 1 and 3, French 1, Mathematics 1 and 1' and History 2b are divided and meet in two sections. The sections of a divided class are distinguished by affixed superior numbers, as Economics 1a¹, Economics 1a², etc. For additional courses offered, see note at foot of schedule.

	8.30	9.30	10.30	11.30	12.30	1.00	1.30	2.00	3.00	4.00
MONDAY	Math. 1c' Phil. 2a, 3b Econ. (3a), (7b) English 3 ¹ Phil. 2a, 3b Chem. 4, (5a, 6b) Engin. 4a, 5b Biol. 8a, 9b	Greek A Economics 1a ¹ German 1 Bib. Lit. 2b French 2 History 2b ¹ French 3, (4) Physics 3 History 4 English 5a	Physics A Spanish A (1) ←Chemistry A, 1 Laboratory→ ←Fr. Engineering 1a' Laboratory→ Astron. 1a, 2b History 1 Chem. 2, (3) English 3 ² German (3), 4 Philosophy 4						English 1 ¹ , 1 ² Latin 2 History 5, (8)	Bib. Lit. 1a Economics 1a ² Latin 1 Philosophy 1b History 2b ² Philosophy 5a Bib. Lit. 6a
TUESDAY	French 1 ¹ Geology 1a Math. 1, 1' Econ. (2b), 6a German 2 English 10b Biol. 10a, 11b Engin. 10	French 1 ² Physics 1 Sociology 1 Math. 4 History 6 (Biology 7) Eng. 8a, 7b (11b)	French A German A Math. 2 Sociology 2 Bib. Lit. 3a, 5b Math. 3 Eng. (12a), 13a Eng. (14b), 15b	Chemistry A Biology 2 Engin. 2a, 6b History 3a Econ. 4a (5b)					←Chem. A, 1, 2, (3), 4 Laboratory→ ←Engin. 1, 2, 3, 6b Laboratory→ ←Biology 2, 3, (5) Laboratory→	
WEDNESDAY	Math. 1c' Phil. 2a, 3b Econ. (3a), (7b) English 3 ¹ Engin. 4a, 5b Biol. 8a, 9b	Greek A Economics 1a ¹ German 1 Bib. Lit. 2b French 2 History 2b ¹ French 3, (4) Physics 3 History 4 English 5a	Physics A Spanish A, (1) Astron. 1a, 2b Chemistry 1 ←Fr. Engineering 1a' Laboratory→ History 1 German (3), 4 Philosophy 4	Bib. Lit. 1a Economics 1a ² Latin 1 Philosophy 1b History 2b ² Philosophy 5a					English 1 ¹ , 1 ² ←Physics 1 Laboratory→ ←Latin 2 Biology 3, (5)→ ←Chemistry 4, (5a, 6b) Lab.→ ←History 5, (8) Bib. Lit. 6a→ ←Biology 6b Laboratory→ ←Engineering 11 Laboratory→	Biol. 1a (1st Quarter) 3 to 4 Wednesdays and 5 to 6 Fridays
THURSDAY	French 1 ¹ Geology 1a Math. 1, 1' Econ. (2b), 6a German 2 English 10b Biol. 10a, 11b Engin. 10	French 1 ² Physics 1 Sociology 1 Math. 4 History 6 (Biology 7) Eng. 8a, 7b (11b)	French A German A Math. 2 Sociology 2 Bib. Lit. 3a, 5b Math. 3 Eng. (12a), 13a Eng. (14b), 15b	Meeting 11.45-12.45 but omitted on the next to the last Thursday in each month					←Chem. A, 1, 2, (3) Laboratory→ ←Engin. 1, 2, 3, 6b Laboratory→ ←Biology 2, 3, (5) Laboratory→	
FRIDAY	Math. 1, 1' Phil. 2a, 3b Econ. (3a), (7b) English 3 ¹ Chem. 4, (5a, 6b) Engin. 4a, 5b Biol. 8a, 9b	Greek A ←Physics A Lab. (2½ hours required)→ Economics 1a ¹ German 1 Bib. Lit. 2b French 2 History 2b ¹ French 3, (4) Physics 3 History English 5a	Spanish A, (1) ←Chemistry A, 1, 2, (3) Laboratory→ ←Fr. Engineering 1a' Laboratory→ Chemistry 1 History 1 English 3 ² German (3), 4 Philosophy 4 ←Biology 6b Laboratory→ Engin. 11	History 3a Econ. 4a, (5b)					English 1 ¹ , 1 ² Latin 2 History 5, (8)	Bib. Lit. 1a Economics 1a ² Latin 1 Philosophy 1b History 2b ² Philosophy 5a Bib. Lit. 6a
SATURDAY	French 1 ¹ Geology 1a Math. 1, 1' Econ. (2b), 6a German 2 English 10b Biol. 10a, 11b Engin. 10	French 1 ² Physics 1 Sociology 1 Math. 4 History 6 (Biology 7) Eng. 8a, 7b (11b)	French A German A ←Engin. 1, 2, 3 Laboratory→ Math. 2 Sociology 2 Bib. Lit. 3a, 5b Math. 3 Eng. (12a), 13a Eng. (14b), 15b	Chemistry A Biology 2 Engin. 2a, 6b					The following unscheduled courses are offered, the hours for which will be arranged to suit the schedules of the students electing them: Greek 1, 2, 3, 4, 5; Latin A, 3, 4, 5, English D, 6b; Mathematics 1c, 2c, 3c, and 5 to 9 inclusive; Bib. Lit. 4; Philosophy 6; Biology 4; Physics 2, 4, 5, 10; Engineering 1a' (as an elective for upper classmen), 2b', 3a'.	

Haverford College Athletics

1920 - 1921



Edited in the Interest of Haverford

FOREWORD

Three events of important athletic significance seem to have happened during the current collegiate year. First, the reorganization of the joint alumni and college athletic committee, resulting in an effective working body of six under the chairmanship of the president of the college, and the promise of a graduate manager for the ensuing year. Second, the cricket renaissance under the effective leadership of Mr. C. C. Morris, Dr. Comfort, and Professor Hinchman, which indicates much for the future cricket of Haverford. And third, the return of athletic strength for our great rival, Swarthmore, inaugurated with a strong football showing in the fall, and culminating in a superb victory in track athletics in the spring.

During the year the Sophomore and Freshman required all-year physical training, consisting of additional athletic work during the first and fourth quarters, has been successfully managed. The grading for this work has been determined on the basis of effort, physical improvement, and games skill.

We bespeak the earnest cooperation of all alumni, students and friends of Haverford in encouragement of Haverford spirit among the schools, providing strong and adequate coaching, and stimulating college spirit in the achievement of success.

JAMES A. BABBITT.

June 10, 1921.

Haverford College

Department of Physical Education

WILLIAM WISTAR COMFORT, PH.D., LITT.D., LL.D.

President.

JAMES A. BABBITT, A.M., M.D.

Professor of Hygiene and Physical Education.

ARLINGTON EVANS

Instructor in Physical Training.

DR. M. S. BENNETT

Coach of Football, Basketball, and Baseball Teams.

F. L. BURTON

Coach of Cricket.

HOWARD BERRY, E. M. JONES, J. HOWLEY

Coaches of Track.

DANIEL OATES

Coach of Soccer.

A. ARTHUR POWELL

Accompanist in Gymnasium.

H. NORMAN THORN

Chairman, Alumni Athletic Committee.

JOHN L. SCULL

Treasurer of the Athletic Association.

Department Chairmen

W. T. KIRK, 3D, '16, Football.

C. C. MORRIS, JR., '04, Cricket.

S. E. STOKES, '14, Soccer.

L. DAM, '17, Track.

F. P. SHARPLESS, '16, Gymnasium.

E. R. TATNALL, '07, Baseball.

J. E. SHIPLEY, '16, Basketball.

Joint Committee on Athletics, 1920-1921

H. NORMAN THORN, '04, *Chairman*

HENRY COPE, '69	C. C. MORRIS, '04
RICHARD M. GUMMERE, '02	JOSEPH TATNALL, '13
JOHN L. SCULL, '05	S. EMLÉN STOKES, '14
EMMETT R. TATNALL, '07	WILLIAM T. KIRK, 3D, '16
JAMES E. SHIPLEY, '16	J. MARSHALL CROSMAN, '18
JOSEPH W. SHARP, JR., '88	DR. JAMES A. BABBITT

Faculty Members

W. W. COMFORT, <i>President</i>	DR. JAMES A. BABBITT
FREDERIC PALMER, JR., <i>Dean</i>	LEVI ARNOLD POST
WALTER S. HINCHMAN	

Undergraduate Members

A. MACINTOSH	P. H. CASKEY
A. E. ROGERS	J. E. ROGERS
R. N. WOOD	A. M. ABELE
J. J. BABB	T. L. FANSLER, JR.
H. C. HENDERSON	J. L. PIERCE
W. T. JEBB	W. S. TAYLOR
H. W. ARROWSMITH	B. B. WEATHERBY, 2D

R. W. ATKINSON

Athletic Cabinet

ARCHIBALD MACINTOSH, '21, *President*

J. R. HOOPES, '21, <i>Secretary</i>	T. L. FANSLER, JR., '22
H. W. ARROWSMITH, '21	H. M. GRIGG, '22
P. H. CASKEY, '21	R. W. JANNEY, '22
H. C. HENDERSON, '21	H. T. BROWN, JR., '23
J. L. PIERCE, '21	A. E. ROGERS, '21, <i>ex-officio</i>
J. E. ROGERS, '21	JOHN L. SCULL, '05, <i>ex-officio</i>
R. N. WOOD, '21	

DR. JAMES A. BABBITT, *Chairman ex-officio*

Athletic Association

PAUL H. CASKEY, '21, <i>President</i>
HAROLD M. GRIGG, '22, <i>Secretary</i>
JOHN L. SCULL, '05, <i>Treasurer</i>

The Athletic Cabinet

Purpose.

This group is selected from representative men in College, partly by appointment and partly by election, and is organized (a) for conference upon important college athletic affairs, (b) for taking the initiative in important college innovations, and (c) for bringing into harmonious co-operation the various college athletic organizations. It shall act as college host to visiting athletic alumni whenever opportunity presents. It shall in no way influence college politics nor administer athletic finances, and shall act in advisory rather than executive capacity.

Membership.

Its members shall consist of twelve men, including the chairman *ex-officio* and the treasurer of the college Athletic Association, and the captains of the Football, Soccer, Gymnasium, Basketball, Track, Baseball, and Cricket teams respectively. The remaining members shall be elected by ballot of the retiring cabinet.

Meetings.

Meetings shall be held when feasible upon the first Tuesday evening of each month upon the invitation of the *ex-officio* host. When this date conflicts with other College appointments, meeting shall be arranged by conference between the president and chairman.

Special sessions shall be called as need requires.

Officers.

Officers shall consist of a president and secretary, elected at the first meeting of the year. These two, with the chairman *ex-officio* shall constitute the executive committee.

Special Functions.

The cabinet shall direct the various interscholastic meetings at the College; shall assist in the alumni athletic gatherings during the year, confer upon matters presented from the Faculty Athletic Committee and consider all questions of intercollegiate importance.

Constitution of the Haverford College Athletic Association

ARTICLE I.

Name.

This association shall be known as the Haverford College Athletic Association.

ARTICLE II.

Members.

SECTION 1. All undergraduates are eligible as Active Members, and all graduates, ex-students and members of the Faculty of Haverford College are eligible as Associate Members.

SECTION 2. The annual dues of all Active Members shall be twelve dollars (\$12). The annual dues of all Associate Members shall be five dollars (\$5).

SECTION 3. Every Associate Member, in good standing, shall receive a card admitting him to all home athletic contests, except to the Haverford-Swarthmore football game.

ARTICLE III.

Association Officers.

SECTION 1. The officers of the Association shall be a President, a Secretary and a Treasurer.

SECTION 2. The President shall be an undergraduate, nominated from the Junior Class immediately prior to the end of the collegiate year, and elected by a majority vote of all the Active Members, to serve during his Senior year. He shall call and preside over all meetings; he shall be an *ex-officio* member of all committees; he shall appoint all committees not otherwise provided for; and he shall discharge all non-departmental business. He shall annually have published in the Athletic Bulletin a revised and correct copy of the Constitution of the Association.

SECTION 3. The Secretary shall be an undergraduate, nominated from the Sophomore Class immediately prior to the end of the collegiate year, and elected by a majority vote of all the Active Members to serve during his Junior year. He shall keep an accu-

rate record of all meetings; he shall preside over the meetings in the absence of the President, and he shall assist the President in discharging all routine business.

SECTION 4. The Treasurer shall be elected by the Joint Committee. (a) He shall receive and be custodian of all funds belonging to the Association, and shall disburse them according to his best judgment. He shall publish an annual report in some undergraduate publication, fully itemized, and showing the exact expenses of each department. His accounts shall be audited annually by an expert designated by the Joint Committee. He shall see that donations for special uses are so expended. He shall confer with the Manager of each department on all financial questions connected with that department.

(b) Taking twelve dollars (\$12) as a basis, the dues of the Association shall be divided among the departments as follows: (a) Football, \$1.25; (b) Soccer, \$2.25; (c) Gymnasium, \$1.00; (d) Cricket \$1.50; (e) Track, \$2.25; (f) Baseball, \$1.00; (g) Tennis, \$0.75; (h) Basketball, \$1.00; general fund, \$1.00.

ARTICLE IV.

Joint Committee on Athletics.

SECTION 1. There shall be a Joint Committee on Athletics, which shall consist of thirteen Alumni Members, appointed by the Alumni Association, the Faculty Members, the President and Secretary of the Association, and the Captains and Managers of the Athletic Departments of the Association.

SECTION 2. The Joint Committee shall hear reports from the various departments and shall have ultimate authority in all matters which may arise in connection with Haverford College athletics.

SECTION 3. The Joint Committee shall elect the Treasurer of the Association.

ARTICLE V.

Nominating Committee.

SECTION 1. There shall be a Nominating Committee, composed of three Seniors, two Juniors and one Sophomore, elected by their respective classes immediately prior to the end of the preceding collegiate year, and presided over by the President of the Association.

SECTION 2. The Sub-Assistant Football Managers, the Assistant Managers in all other departments, the Cheer Leader and the officers of this Association, except the Treasurer, shall be nominated by this committee, and all nominations shall be posted one week before they are voted on. Any additional nominations shall be posted at the signed request of twenty-five members.

SECTION 3. In event of a vacancy in the managership of any department, the position shall be offered to the defeated assistant; if he is unable to accept, the committee shall nominate two names, to be posted in the regular manner and voted on by the members of the department squad.

SECTION 4. In event of a vacancy in the Assistant Managerships, the nomination shall be offered to the defeated sub-assistant managers; if they are unable to accept, the committee shall nominate two names, to be posted in the regular manner and voted on by the Active Members of the Association.

ARTICLE VI.

Departments and Officers.

SECTION 1. This Association shall consist of eight departments, namely: Football, Soccer, Gymnasium, Basketball, Cricket, Track, Baseball and Tennis, and each of these departments shall be administered by a Captain, a Manager and two Assistant Managers, together with the existing Coach, except that the Football Department shall also have four Sub-Assistant Managers.

(a) The teams to represent the college in each department shall be chosen as follows: In Football, Gymnasium, Track and Baseball, by the Coach; in Soccer and Cricket, by the Captain, Coach and Manager; and in Tennis, by the Captain and Manager.

(b) The Manager, or in his absence the Acting Manager, shall be responsible for the personal property of all visiting teams, and in cases of negligence on his part he shall be held strictly accountable for the total amount of the loss sustained.

SECTION 2. The Captain shall be elected by the regular members of each team, as selected by the committee in charge of awarding the "H."

SECTION 3. The Manager shall be elected from the Assistant Managers as soon as possible after the close of the department

season by the team squad, which shall be defined in each department as follows:

(a) Football—not less than twenty-two men, selected by the Captain, Coach and Manager.

(b) Soccer—not less than twenty-two men from the first and second teams, selected by the Captain, Coach and Manager.

(c) Gymnasium—all men performing in any Varsity meet or Varsity exhibition during the season.

(d) Cricket—not less than twenty-two men from the first and second teams, selected by the Captain, Coach and Manager.

(e) Track—all men performing in any Varsity meet during the season.

(f) Baseball—not less than eighteen men, selected by Captain, Coach and Manager.

(g) Tennis—all men playing in any intercollegiate match.

(h) Basketball—not less than ten men selected by Captain, Coach and Manager.

SECTION 4. The Assistant Managers (except the Football and Baseball Assistants, who shall be elected by the team squad after consultation with the manager of the team and the treasurer of the Athletic Association) shall be nominated from the Sophomore Class by the nominating committee, after consultation with the faculty, to serve during their Junior year, and shall be elected by a majority vote of the Active Members. The Sub-Assistant Football and Baseball Managers shall be nominated and elected in the same way to serve during their Sophomore year.

SECTION 5. The Cheer Leader shall be elected by the Active Members at the end of his Junior year to serve during his Senior year. He shall serve in all departments. He shall call out and be responsible for assistants and shall suggest at least four names to the Nominating Committee, from which his successor shall be elected.

ARTICLE VII.

Meetings.

SECTION 1. Meetings of the Association may be called at any time by the President or upon petition by thirty Active Members of the Association. A quorum shall consist of two-thirds of the Active Members of the Association.

SECTION 2. Members of the Freshman Class shall not vote during the first quarter.

ARTICLE VIII.

Amendments and By-Laws.

The Joint Committee shall make such further regulations as may seem necessary from time to time, but these articles shall not be amended except by a two-thirds vote of the Active Members of this Association after a week's notice.

Regulations for Uniforms and Insignia

ARTICLE I.

All committees for awarding insignia shall be responsible to the Athletic Association.

ARTICLE II.

Varsity Letter.

SECTION 1. The Varsity H for all branches of athletics shall be as follows: (a) On all coat sweaters and jerseys the H shall be block and shall be $2\frac{3}{4}$ inches across (not including the block) and $4\frac{1}{2}$ inches high. The block shall extend $\frac{1}{2}$ inch beyond the bar and shall be $\frac{1}{2}$ inch thick at the base, tapering to $\frac{3}{8}$ inch at the end. The base shall be $\frac{3}{4}$ inch thick. (b) On all V-neck sweaters the H shall be straight, 4 inches wide and $5\frac{1}{2}$ inches high, the base shall be 1 inch thick, except the Cricket and Baseball H, which shall be block H's.

SECTION 2. Each man receiving a Varsity H shall receive a certificate attesting the same and signed by the College President, Athletic Director and Captain of the department awarding the letter.

ARTICLE III.

Class Numerals.

SECTION 1. In each department the class numerals and sweaters shall be identical in color and style, respectively, with the regulation Varsity H and sweater as prescribed for that department. The numerals shall be plain Arabic numerals, $3\frac{1}{2}$ inches high and $\frac{3}{4}$ inch thick.

SECTION 2. Each man receiving his class numerals shall also receive a certificate attesting the same, signed by the Athletic Director and Captain of the Department awarding the numerals.

SECTION 3. Numerals shall be awarded by the same committee that awards the H in each department. Numerals shall not be awarded by any department to a man who has received his H during that season in the department.

ARTICLE IV.

Football.

SECTION 1. The football jersey shall be black, with sleeves striped, alternating scarlet and black, the stripes being two (2) inches wide. This jersey may not be worn off the football field except by holders of the football H.

SECTION 2. The football sweater shall be a solid black coat or V-neck sweater with the regulation scarlet Varsity H. The football H shall be awarded each year by the Captain, Coach and Manager of the department to not more than twelve (12) men.

SECTION 3. Numerals may be awarded to not more than five (5) men in recognition of conscientious work during the season either on the Varsity or scrub teams.

SECTION 4. Upon vote of the Athletic Association, the Football Manager shall be awarded an insignia in the form of a gold charm, properly engraved.

ARTICLE V.

Soccer.

SECTION 1. (a) The Varsity soccer uniform shall consist of a gray shirt with a scarlet and black stripe, 3 inches wide, running diagonally over the right shoulder; black trousers, scarlet belt and black stockings with a 4-inch scarlet horizontal stripe. The soccer shirt must be worn by a player in any First Team game, and may be worn at any time by a player who has participated in two (2) full Intercollegiate League games or their equivalent.

SECTION 1. (b) The Second Team uniform shall be similar to that of the Varsity, except that the shirt shall have but a single stripe, to be of scarlet and $\frac{1}{2}$ inch wide. This shirt must be worn by a player in any Second Team game, and may be worn at any time by a player who has participated in six (6) full Second Team league games on the Second Team or their equivalent.

SECTION 2. The soccer sweater shall be a solid white coat or V-neck sweater, with the regulation scarlet Varsity H. The soccer H shall be awarded each year by the Captain, Coach and Manager of the department to not more than eight (8) men, except that eleven (11) H's may be awarded to a team winning the Intercollegiate Championship.

SECTION 3. Numerals may be awarded to not more than five (5) men who are adjudged to be the most deserving on the Varsity or Second Team.

ARTICLE VI.

Gymnasium.

SECTION 1. The gymnasium costume shall be a leotard having a scarlet front, rounded at the bottom and extending as far as the shoulder, and buttoning over the shoulder, and black tights with a scarlet belt.

SECTION 2. The gymnastic sweater shall be either a scarlet coat sweater having a black border $1\frac{3}{4}$ inches wide, black wrist-lets 4 inches deep and a black block H, or a scarlet V-neck sweater having a black band $1\frac{3}{4}$ inches wide on the shirt, and the regulation black straight H. The gymnastic H shall be awarded each year by the Captain, Coach and Manager of the department, and to no persons who have not won one first place and ten other points in dual meets or a place in the Intercollegiates.

SECTION 3. The gymnastic insignia shall be the black monogram H.G.T. worn on the scarlet front of the leotard or on the regular gymnastic sweater. The H shall be a regulation straight H, $\frac{1}{4}$ inch above the bar, shall be a stright G $1\frac{1}{2}$ inches high and 1 inch wide, and $\frac{1}{4}$ inch below the bar shall be a straight T $1\frac{1}{2}$ inches high and 1 inch wide. This insignia shall be awarded each year at the discretion of the Captain, Coach and Manager of the department. Only those who have won at least six points in dual meets will be eligible for consideration.

ARTICLE VII.

Cricket.

SECTION 1. The cricket colors shall consist of the cricket sweater, the scarlet and black blazer and cap, and scarlet and black sash. The cricket sweater shall be white, V neck with a scarlet and black band on the skirt and wrists $1\frac{1}{2}$ inches wide, and shall have on the

breast a scarlet block H. The cricket colors and H shall be awarded each year by the Captain, Coach and Managers to not more than eleven men.

SECTION 2. Numerals may be awarded to not more than five (5) men who are adjudged to be the most deserving on the first and second teams.

ARTICLE VIII.

Track.

SECTION 1. The track uniform shall consist of a white sleeveless jersey and white running trousers, with scarlet and black $\frac{1}{2}$ -inch stripes down the sides and with a scarlet and black waistband.

SECTION 2. The track sweater shall be a solid scarlet, coat or V-neck sweater, with the regulation black Varsity H. A regulation black block H shall be worn on the jersey. The track H shall be awarded each year by the Captain, Coach and Manager, and only the following men shall be eligible for consideration:

(a) In the annual I. C. A. A. A. Meet, men who have won a point or part of a point.

(b) In the Middle States Intercollegiate Meet, men who have won or tied for a place, and who have won three (3) points in dual meets during the season.

(c) In the U. of P. Relay Carnival, members of a winning relay team who have won three (3) points in dual meets during the season.

(d) In dual meets, men who have won first place or tied for first place with a member of the opposing team, and also won five (5) other points in dual meets during the season. Note—A tie for second place with a member of the opposing team shall count three (3) points.

SECTION 3. Numerals may be awarded to any man scoring six (6) points in dual meets during the season.

SECTION 4. Points toward the Walton Prize Cup shall be counted as follows:

(a) I. C. A. A. A. Meet—For each of the five places, respectively, 25, 20, 15, 10, and 5 points.

(b) M. S. I. C. C. Meet—For each of the four places, respectively, 15, 9, 6 and 3 points.

(c) U. of P. Relays—Each member of the relay team for the

three places, respectively, 5, 3 and 1 points. Three places in individual events, respectively, 15, 9 and 3 points.

(d) Dual Meets—Points to count as they are scored for the team.

ARTICLE IX.

Baseball.

SECTION 1. The baseball uniform shall consist of a plain gray collarless shirt with "Haverford" in 3-inch black letters on the breast and $\frac{3}{4}$ -length sleeves over a plain black jersey, plain gray knee knickerbockers and plain black stockings.

SECTION 2. The baseball sweater shall be a solid white coat or V-neck sweater with the regulation black block H. The baseball H shall be awarded each year by the Captain, Coach and Manager of the department to not more than five (5) men.

SECTION 3. Numerals shall be awarded to not more than five (5) men, who are adjudged to be the most deserving on the first and second teams.

ARTICLE X.

Tennis.

SECTION 1. A scarlet regulation straight H shall be awarded to the winner or winners of the Intercollegiate Championship.

SECTION 2. The insignia shall consist of a scarlet monogram H.T.T. worn on the breast of a white V-neck sweater. The H shall be a regulation straight scarlet H; $\frac{1}{4}$ inch above and below the bar shall be a straight T $1\frac{1}{2}$ inches high and 1 inch wide. The insignia shall be awarded each year by the Captain and Manager to not more than four (4) members of the Varsity team.

SECTION 3. Numerals may be awarded to not more than three (3) members of the first and second teams for conscientious work during the season.

ARTICLE X-A.

Basketball.

SECTION 1. The basketball uniform shall consist of a black jersey with two scarlet 1-inch stripes separated by $5\frac{5}{8}$ inches; khaki basketball trousers with scarlet and black stripes of $\frac{5}{8}$ inch each, down the sides; and black stockings. The jersey shall be appropriately numbered on the back in scarlet.

SECTION 2. The basketball sweater shall be a solid white coat

or V-neck sweater with the regulation scarlet and black block H. The regulation scarlet and black block H shall consist of two sections formed by the diagonal from the upper right-hand corner of the H (exclusive of the block) to the lower left-hand corner (exclusive of the block). Note that both upper blocks will be entirely scarlet and both lower blocks entirely black.

The basketball H shall be awarded each year by the Captain, Coach and Manager of the Department to not more than three men.

SECTION 3. Basketball numerals shall be awarded each year to not more than three men, who are judged to be the most deserving on the first and second teams.

ARTICLE XI.

Varsity Hat.

SECTION 1. The only hat on which H's may be worn shall be Varsity hat, and H's may be worn thereon only by those to whom they have been awarded as herein provided. The hat shall be a white flannel University Special hat (such as Spalding's No. 202) with scarlet and black block H with diagonal line from upper left to lower right hand corner, left section scarlet. The letter to be of the following dimensions: Height, $\frac{3}{4}$ inch between blocks; block, $\frac{9}{32}$ inch thick, projecting $\frac{3}{16}$ inch; width inside bars, $\frac{1}{2}$ inch; cross bars, $\frac{9}{32}$ inch thick midway between blocks; vertical bars, $\frac{1}{4}$ inch thick.

ARTICLE XII.

Class Hat.

SECTION 1. The only hat on which class numerals may be worn shall be the official class hat, and numerals may be worn thereon only by those to whom they have been awarded as herein provided. The numerals shall be plain Arabic numerals 1 inch high and $\frac{1}{4}$ inch thick.

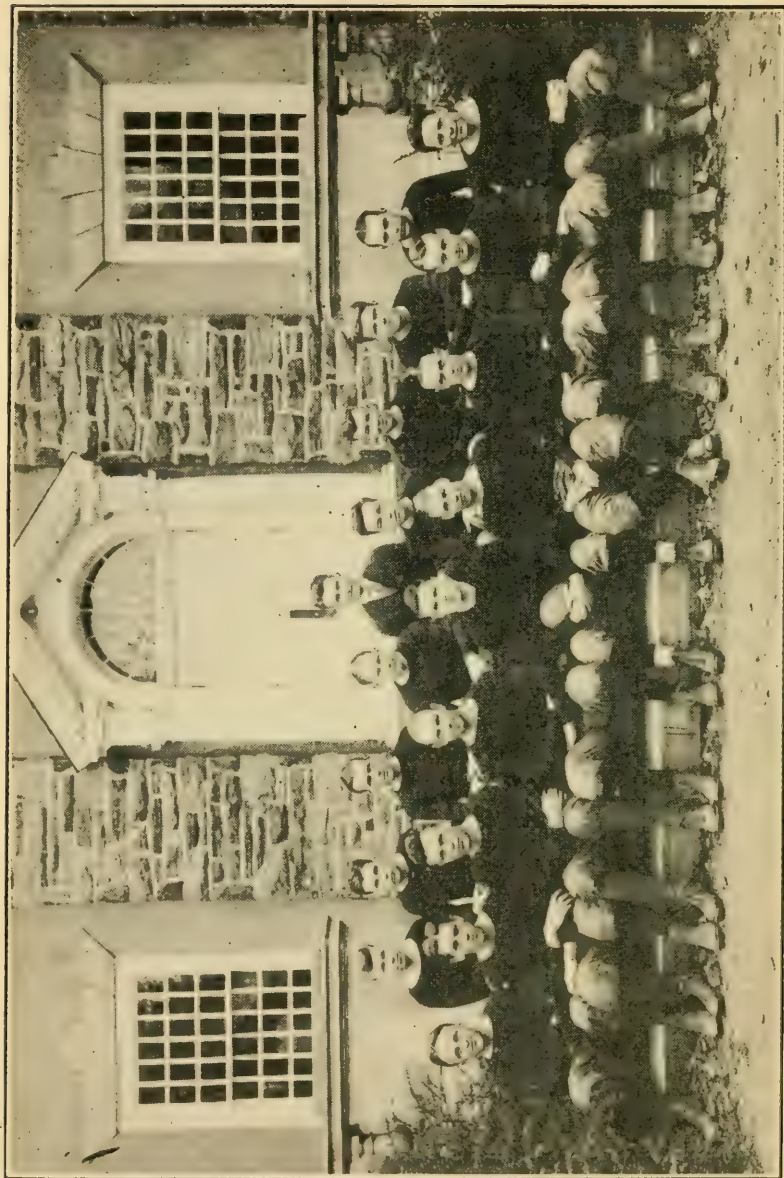
ARTICLE XIII.

Wearing of Emblems.

No persons shall be entitled to wear an emblem, uniform or parts of uniforms above mentioned, except on the field or in a meet, until that person shall have been authorized to do so by the committee having charge of same.

. Adopted May, 1917.





Haverford College Football Team, 1920-21

Football Department, 1920-21

Manager

ALBERT E. ROGERS, '21

Assistant Managers

HAROLD M. GRIGG, '22

JOHN F. GUMMERE, '22

Captain

ARCHIBALD MACINTOSH, '21

Coach

DR. M. S. BENNETT

Cheer Leader

JULIAN S. LONG

Haverford College Football Team

MACINTOSH '21 (<i>Captain</i>)	right halfback
CASKEY, '21	right tackle
SANGREE, '21	right end
PIERCE, '21	right guard
HAUFF, '21	left guard
HOOPES, '21	right halfback
SANGREE, '22 (<i>Captain-elect</i>)	quarterback
MILLER, '22	left end
HILLEMANN, '22	left tackle
HOWLAND, '23	center
BACON, '23	left halfback
BROWN, '23	fullback

Wearers of Football H

MACINTOSH, '21 (<i>Captain</i>)	SANGREE, N. B., '22
CASKEY, '21	HILLEMANN, '22
HAUFF, '21	MILLER, '22
HOOPES, '21	BACON, '23
PIERCE, '21	BROWN, '23
SANGREE, M. H., '21	HOWLAND, '23

Wearers of Football Numerals

TAYLOR, '21	JONES, '23
ALLEN, '23	STRAWBRIDGE, '23
FISHER, '23	

Football Season. 1920

Oct. 9.	Haverford...	3	Stevens.....	10	At Haverford
Oct. 16.	Haverford...	14	Lebanon Valley...	18	At Lebanon
Oct. 23.	Haverford...	14	Delaware.....	0	At Newark
Oct. 30.	Haverford...	0	Ursinus.....	3	At Haverford
Nov. 6.	Haverford...	10	Johns Hopkins...	17	At Haverford
Nov. 13.	Haverford...	7	Dickinson.....	7	At Carlisle
Nov. 20.	Haverford...	6	Swarthmore.....	28	At Haverford

Haverford, 3; Stevens, 10

October 9, 1920

Stevens

Jonas.....	l. e.....	Miller
Emslie.....	l. t.....	Jones
Howard.....	l. g.....	Hauff
Johnson.....	c.....	Fisher
Anthony.....	r. g.....	Pierce
Busch.....	r. t.....	Caskey
Egger.....	r. e.....	H. Sangree
Brune.....	q. b.....	N. Sangree
Bajusz.....	l. h. b.....	Fansler
Bradley.....	r. h. b.....	MacIntosh (Capt.)
Goodale (Capt.)	f. b.....	Brown

Haverford

Touchdown—Goodale. Goal from touchdown—Goodale. Field goals—MacIntosh, Herty. Substitutions—Stevens: Emerson for Jonas, Benjamin for Goodale, Herty for Bajusz, Muller for Howard, Adams for Emslie, Goodale for Benjamin, Bajusz for Bradley, Mowton for Goodale, Brett for Anthony. Haverford: Brinton for Jones, Heilman for N. Sangree, Walton for Miller, Paxson for Fisher, Matzke for Heilman, Mengert for Brinton, Thompson for Pierce, Allen for Fansler, Miller for Walton, Walton for Thompson. Referee—Gillinder, U. of P. Umpire—Davidson, U. of P. Linesman—Green, Syracuse. Time of quarters—10 minutes.

Score by periods:

Haverford.....	3	0	0	0	—	3
Stevens.....	0	0	0	10	—	10

Haverford, 14; Lebanon Valley, 18
October 16, 1920

Haverford		Lebanon Valley
Miller.....	l. e.....	Smith
Howland.....	l. t.....	Behman
Hauff.....	l. g.....	Renn (Capt.)
Fisher.....	c.....	Beck
Pierce.....	r. g.....	Carpenter
Caskey.....	r. t.....	Whistler
Sangree.....	r. e.....	Wueschinski
Heilman.....	q. b.....	Moore
Bacon.....	l. h. b.....	Cohen
MacIntosh (Capt.).....	r. h. b.....	H. Homan
Brown.....	f. b.....	Irvin

Touchdowns—Heilman, MacIntosh, Moore, H. Homan, Smith.
 Goals from touchdowns—MacIntosh, 2. Substitutions—Haverford:
 Allen for Bacon, Brinton for Howland, Fansler for Allen. Lebanon
 Valley—R. Homan for Irvin, Irvin for R. Homan, Danker for Car-
 penter, Fake for Renn, Gallagher for H. Homan, Leidie for Cohen.
 Referee—Taggart, Rochester. Umpire—Ryan, Michigan. Head
 Linesman—Saul, Otterbein. Four 12-minute periods.

Score by periods:

Haverford.....	7	0	0	7 — 14
Lebanon Valley.....	0	6	6	6 — 18

Haverford, 14; Delaware, 0
October 23, 1920

Haverford		Delaware
Miller.....	r. e.....	Rothrock
Jones.....	l. t.....	Holton
Hauff.....	l. g.....	Aiken
Fisher.....	c.....	Donaldson
Pierce.....	r. g.....	Marconetti
Caskey.....	r. t.....	Repp
H. Sangree.....	r. e.....	McCaughan (Capt.)
N. Sangree.....	q. b.....	Harmer
MacIntosh (Capt.).....	l. h. b.....	McDonald
Bacon.....	r. h. b.....	Elliott
Brown.....	f. b.....	Williams

Touchdowns—MacIntosh 2. Goals from touchdowns—MacIntosh 2. Substitutions—Delaware: Magaw for McCaughan, McCaughan for McDonald, McDonald for McCaughan, McCaughan for Magaw, Ivory for McDonald, Leamy for McCaughan, McCaughan for Ivory, Lilly for Donaldson, Jones for Marconetti, Donaldson for Lilly, Betzmer for Rothrock. Haverford: Howland for Jones, Allen for Bacon, Fansler for Allen, Bacon for Fansler. Umpire—Davidson, U. of P. Referee—Raby, Gettysburg. Linesman—Grier, Catholic University.

Score by periods:

Haverford.....	7	7	0	0	— 14
Delaware.....	0	0	0	0	— 0

Haverford, 0; Ursinus, 3 October 30, 1920

Haverford

Ursinus

Miller.....	l. e.....	Gotschalk
Howland.....	l. t.....	Helffrich (Capt.)
Hauff.....	l. g.....	Detweiler
Fisher.....	c.....	Wykoff
Pierce.....	r. g.....	Updyke
Caskey.....	r. t.....	Greiman
H Sangree.....	r. e.....	Kegle
N Sangree.....	q. b.....	Schwartz
MacIntosh (Capt.).....	l. h. b.....	Miller
Bacon.....	r. h. b.....	Paine
Brown.....	f. b.....	Isenberg

Goal from placement—Isenberg. Substitutions—Haverford: Hilleman for Hauff, Walton for Miller; Ursinus—Tyson for Paine. Referee—Hoskins, Lafayette. Umpire—Green, Syracuse. Head Linesman—Palmer, Colby. Time of periods—15 minutes and 12 minutes.

Score by periods:

Haverford.....	0	0	0	0	— 0
Ursinus.....	0	0	0	3	— 3

Haverford, 10; Johns Hopkins, 17
November 6, 1920

Haverford		Johns Hopkins
Miller.....	1. e.....	W. Wood
Hilleman.....	1. t.....	E. Wood
Hauff.....	1. g.....	Reid
Howland.....	c.....	Tatterdale
Pierce.....	r. g.....	Lundy
Caskey.....	r. t.....	Knecht
H. Sangree.....	r. e.....	Middleton
N. Sangree.....	q. b.....	Gregg
Matzke.....	1. h. b.....	Jones
Allen.....	r. h. b.....	Cashell
Hoopes.....	f. b.....	Calkins

Touchdowns—H. Sangree, Gregg, Calkins. Goals from touchdowns—Pierce, Jones 2. Goals from field—MacIntosh, Calkins. Substitutions—MacIntosh for Matzke, Fisher for Howland, Strawbridge for Miller, Morgan for Wood, Taylor for Strawbridge, Heilman for MacIntosh, Timbres for Hilleman. Referee—Eccles, W. and J. Umpire—Jordan, Cornell. Time of periods—15 minutes.

Score by periods:

Haverford.....	0	0	10	0	— 10
Johns Hopkins.....	0	7	3	7	— 17

Haverford, 7; Dickinson, 7
November 13, 1920

Haverford		Dickinson
Strawbridge.....	1. e.....	Bacon
Howland.....	1. t.....	Blumenthal
Hauff.....	1. g.....	Dougherty
Fisher.....	c.....	Smith
Pierce.....	r. g.....	Cook
Caskey.....	r. t.....	Sharp
H. Sangree.....	r. e.....	Goeltz
N. Sangree.....	q. b.....	Fish
MacIntosh.....	r. h. b.....	Brophy
Bacon.....	1. h. b.....	Pipa
Allen.....	f. b.....	Wertacnic

Touchdowns—Pierce, Pipa. Goals from touchdowns—MacIntosh, Brophy. Substitutions—Haverford: Heilman for N. Sangree, Taylor for Strawbridge, Hoopes for MacIntosh, Fansler for Heilman, N. Sangree for Bacon; Dickinson: Riordan for Goeltz, Templin for Pipa, Shadadi for Babcock, Mullon for Shadadi, Babcock for Mullon, Goeltz for Riordan, Young for Brophy, Beighle for Fish. Referee—Ryan, Michigan. Umpire—Smith, Bucknell. Head Linesman—Moffatt, Penn State. Time of periods—15 minutes.

Haverford, 6; Swarthmore, 28 November 20, 1920

Haverford		Swarthmore
Miller.....	l. e.....	Kemp
Hilleman.....	l. t.....	Larkin (Capt.)
Hauff.....	l. g.....	Joseph
Howland.....	c.....	Cornell
Pierce.....	r. g.....	Valentine
Caskey.....	r. t.....	Dudley
H. Sangree.....	r. e.....	Butterworth
N. Sangree.....	q. b.....	Geiges
MacIntosh (Capt.).....	l. h. b.....	White
Bacon.....	r. h. b.....	Yarnall
Brown.....	f. b.....	Asplundh

Touchdowns—For Swarthmore: Yarnall, White, Earp, Asplundh; for Haverford: Brown. Goals from touchdowns—For Swarthmore: Yarnall 3, Carter. Substitutions—For Swarthmore: Stowe for White, Clancy for Butterworth, Earp for Yarnall, Schneider for Geiges, Jackson for Kemp, Collins for Josephs, Pugh for Cornell, McAllister for Dudley, Carter for Asplundh; for Haverford: Walton for Miller, Paxson for Howland, Allen for MacIntosh, Jones for Hilleman, Timbers for Hauff, Strawbridge for H. Sangree, Hoopes for MacIntosh, Brinton for Pierce. Referee—H. N. Merritt, Yale. Umpire—Carl Williams, U. of P. Field Judge—J. F. Gillinder, U. of P. Head Linesman—H. A. Davidson, U. of P.

Score by periods:

Haverford.....	0	0	0	6	—	6
Swarthmore.....	14	0	7	7	—	28





Haverford College Soccer Team, 1920-21

Soccer Department

Manager

JERVIS J. BABB, '21

Assistant Managers

EDWARD A. TAYLOR, '22 (*Manager-elect*) ALLEN K. BUCKNELL, '22

Coach

DANIEL OATES

Captain

ROBERT N. WOOD, '21

Wearers of the Soccer H

W. N. WOOD, '21 (<i>Captain</i>)	A. G. MUENCH '22 (<i>Captain-elect</i>)
H. C. HENDERSON, '21	G. S. HOAG, '23
J. J. BABB, '21	R. W. LEEDS, '23
R. W. JANNEY, '22	D. McDANIEL, '23

Wearers of Soccer Numerals

M. C. MCKINLEY, '21	W. C. HUNSICKER, '23
J. C. BORTON, '23	A. L. TEST, '23

1920-21 Intercollegiate Schedule with Scores

Oct. 30.	Haverford..... 0	Princeton..... 4	At Princeton
Nov. 6.	Haverford..... 1	Cornell..... 2	At Ithaca
Nov. 25.	Haverford..... 2	Harvard..... 1	At Haverford
Nov. 27.	Haverford..... 1	Yale..... 0	At Haverford
Dec. 6.	Haverford..... 3	Penn..... 9	At Haverford
	Haverford, 8; I. C. League Opponents, 16		

The championship was won by U. of P. with Princeton second and Haverford tied for third with Cornell. A. G. Muench, '22, made the All-American Team.

Other Varsity Soccer Scores, 1920-21

Oct. 2.	Haverford.....	1	Germantown Boys' Club.....	0
Oct. 9.	Penn. State.....	3	Haverford.....	1
Oct. 16.	Haverford.....	1	Westtown.....	0
Oct. 23.	Haverford.....	7	Corinthian Club.....	0
Nov. 13.	Haverford.....	3	Germantown Boys' Club.....	1

Second Team Scores, 1920-21

		H.	Opp.
Oct. 23.	Moorestown Field Club 2d.....	2	0
Nov. 6.	U. of P. 2d.....	0	3
Nov. 13.	Lehigh.....	0	4
Nov. 25.	Merion C. C. 2d.....	6	2
Dec. 6.	Swarthmore.....	1	4
Dec. 11.	Moorestown.....	4	1
Dec. 15.	U. of P. 2d.....	1	0
Dec. 18.	Philadelphia C. C.....	0	0

Haverford College Soccer Team, 1920-21

BABB.....	goal
HENDERSON.....	right fullback
LEEDS.....	left fullback
WOOD (<i>Captain</i>).....	right halfback
MUENCH (<i>Captain-elect</i>).....	center halfback
BUCKNELL.....	left halfback
McKINLEY.....	outside right
HUNSICKER.....	inside right
HOAG.....	center forward
McDNAIEL.....	inside left
JANNEY.....	outside left

Intercollegiate League Matches

Haverford, 0; Princeton, 4

October 30, 1920

Princeton		Haverford
Cooper.....	g.....	Babb
Fisher.....	r. f. b.....	Henderson
Keys.....	l. f. b.....	Leeds
McIlvaine.....	r. h. b.....	Wood
Hunt.....	c. h. b.....	Muench
Wood.....	l. h. b.....	Bucknell
Moore.....	o. r.....	McKinley
Woodbridge.....	i. r.....	Test
Stinson.....	c.....	Hoag
Thomas.....	i. l.....	McDaniel
West.....	o. l.....	Janney

Goals—Hunt, Stinson, Thomas, Henderson. Substitutions—Marshall for Moore, Wells for Fisher, Borton for Test. Referee—Maass. Time of halves—45 minutes.

Haverford, 1; Cornell, 2

November 6, 1920

Cornell		Haverford
Mollinet.....	g.....	Babb
Leonard.....	r. f. b.....	Henderson
Proctor.....	l. f. b.....	Leeds
Cook.....	r. h. b.....	Wood
Rosseau.....	c. h. b.....	Muench
Whitehall.....	l. h. b.....	Bucknell
Baker.....	o. r.....	McKinley
Smith.....	i. r.....	Test
Cawley.....	c.....	Hoag
Callonez.....	i. l.....	McDaniel
Righter.....	o. l.....	Janney

Goals—Smith, Cawley, Borton. Substitutions—Cornell: Alberding for Righter, Anderson for Cook; Haverford: Borton for Test. Referee—James. Linesman—Oates and Robertson. Time of period—45 minutes.

Haverford, 2; Harvard, 1**November 25, 1920****Haverford****Harvard**

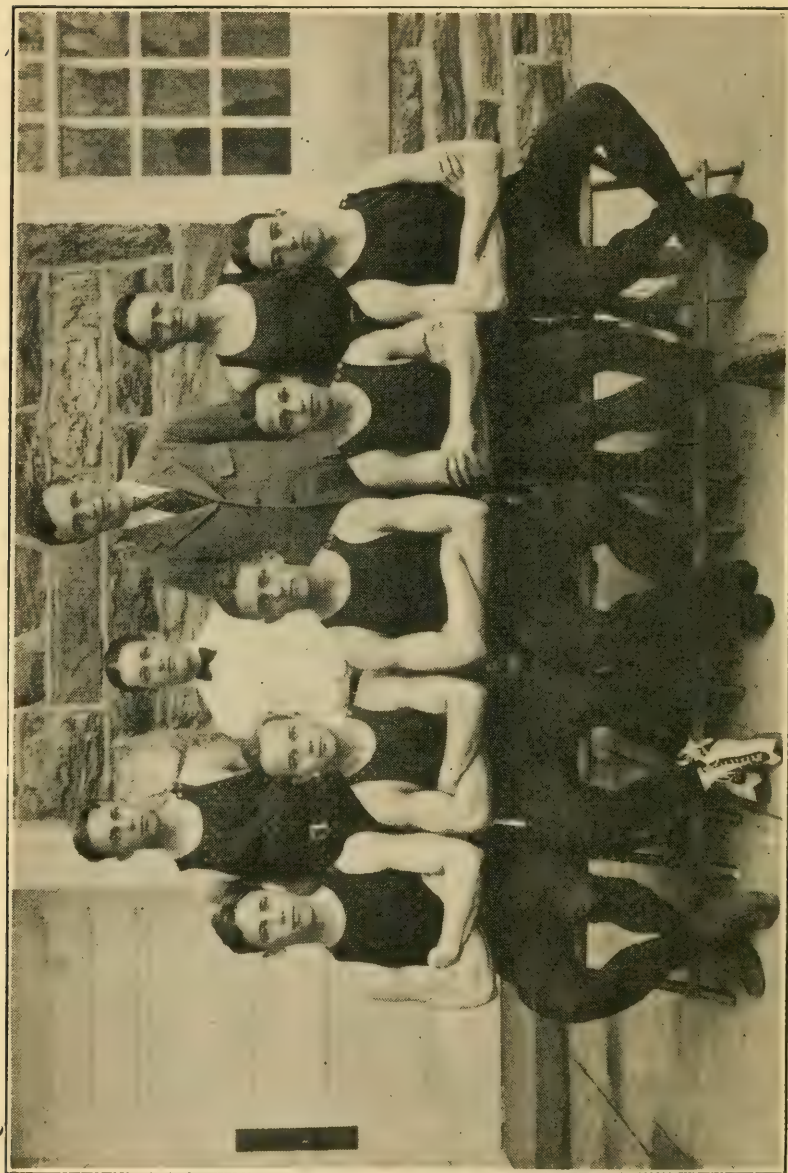
Babb.....	g.....	Cummings
Henderson.....	r. f. b.....	Carpenter
Leeds.....	l. f. b.....	Allen
Wood (<i>Captain</i>).....	r. h. b.....	Masters
Muench.....	c. h. b.....	Murray
Bucknell.....	l. h. b.....	Heath
Borton.....	o. r.....	Macey
Hunsicker.....	i. r.....	Williams
Hoag.....	c.....	Hizer
McDaniel.....	i. l.....	Damon
Janney.....	o. l.....	Phillips

Goals: for Haverford—Hoag, Muench; for Harvard—Heizer.
 Referee—Young. Linesman, Connell and Test. Length of periods
 —45 minutes.

Haverford, 1; Yale, 0**November 27, 1920****Haverford****Yale**

Babb.....	g.....	Barnes
Henderson.....	r. f. b.....	Hoyt
Leeds.....	l. f. b.....	Brockman
Wood.....	r. h. b.....	Mayers
Muench.....	c. h. b.....	Moffat
Bucknell.....	l. h. b.....	Meyer
Borton.....	o. r.....	Holden
Hunsicker.....	i. r.....	Clark
Hoag.....	c.....	Paxton
McDaniel.....	i. l.....	Stovell
Janney.....	o. l.....	Colburn

Goal—McDaniel. Substitutions: for Haverford—Test for Wood.
 Referee—Walders. Time of halves—45 minutes.



HVERFORD COLLEGE GYMNASIUM TEAM, 1921

Haverford, 3; U. of P. 9
December 6, 1920

Haverford		U. of P.
Babb.....	g.....	Haywood
Henderson.....	r. f. b.....	Darrow
Cooper.....	l. f. b.....	Amelia
Wood.....	r. h. b.....	Balderston
Muench.....	c. h. b.....	Binns
Bucknell.....	l. h. b.....	Thompson
Borton.....	o. r.....	Bingham
Hunsicker.....	i. r.....	Spencer
Hoag.....	c.....	Lee
McDaniel.....	i. l.....	Pennel
Janney.....	o. l.....	Dowlin

Goals: for Haverford—Janney 2, McDaniel; for U. of P.—Lee 4, Spencer 4, Dowlin. Substitutions: for Haverford—Leeds for Bucknell, Test for Cooper. Referee—James Walders. Linesmen—Abele and Burgido.

Gymnastic Department

Manager

P. H. CASKEY, '21

Assistant Managers

C. G. PAXSON, '22 (*Manager-elect*)

N. B. SANGREE, '22

Captain

H. W. ARROWSMITH, '21

Coach

ARLINGTON EVANS

Wearers of the Gymnastic H

H. W. ARROWSMITH, '21

M. C. MCKINLEY, '21

J. S. LONG, '21

W. B. HEILMAN, '22 (*Captain-elect*)

1921 Schedule with Scores

Feb. 19.	Naval Academy.	38	Haverford..	16	At Annapolis
Feb. 23.	Princeton.....	25	Haverford..	29	At Haverford
Mar. 5.	Haverford.....	19	M. I. T.....	14	At Haverford
Mar. 8.	U. of P.....	31	Haverford..	23	At U. of P.
Mar. 19.	Intercollegiate Gymnastic Meet.....At Princeton				

Individual Scores

	FIRSTS	SECONDS	THIRDS	TOTAL
H. W. ARROWSMITH.....	3	0	1	16
J. S. LONG.....	1	11	2	40
M. C. MCKINLEY.....	2	1	1	14
W. B. HEILMAN.....	2	2	1	17
L. G. HOLMES.....	0	0	3	3

Haverford, 16; Navy, 38**February 19, 1920**

HORIZONTAL BAR—Pearson (Navy) and Cory (Navy) tied; Long (Haverford) third.

SIDE-HORSE—Won by Strang (Navy); Pearson (Navy) second; H. W. Arrowsmith (Haverford) third.

PARALLEL BARS—Won by Danish (Navy); Pearson (Navy) and Replinger (Navy) tied for second.

CLUB SWINGING—Won by Heilman (Haverford); Dugan (Navy) second; Holmes (Haverford) third.

FLYING RINGS—Won by Hales (Navy); Taylor (Navy) second; Pearson (Navy) third.

TUMBLING—Won by McKinley (Haverford); Long (Haverford) second; Stimson (Navy) third.

JUDGES—Chadwick, Lorette, Piker.

Haverford, 29; Princeton, 25**February 23, 1921**

HORIZONTAL BAR—Won by Long (Haverford), 45; Roberts (Princeton) second, 44.7; Bailey (Princeton) third, 41.2

SIDE-HORSE—Won by Arrowsmith (Haverford), 47.2; Sheldon (Princeton) second, 42.6; Russell (Princeton), third, 41.9.

- PARALLEL BARS—Won by Bailey (Princeton), 46.8; Long (Haverford) second, 43.1; Lloyd (Princeton) third, 41.2
- CLUB SWINGING—Won by W. B. Heilman (Haverford), 27; C. R. Miller (Princeton), second, 18; A. Newman (Princeton) third, 17.8.
- FLYING RINGS—Won by Luquer (Princeton), 45.1; Long (Haverford) second, 43.4; Tuttle (Princeton) third, 42.4.
- TUMBLING—Won by McKinley (Haverford), 46.2; Long (Haverford) second, 41.1; Fisher (Princeton) third, 37.1.
- JUDGES—Dr. Noble, Dr. Bishop, Mr. Heap.

Triangular Meet

Haverford, 19; U. of P., 21; M. I. T., 14

March 5, 1921

- FLYING RINGS—Won by Humphrey (M. I. T.), 31.6; Long (Haverford) (second), 29.5; Chooli (U. of P.) third, 26.4.
- SIDE-HORSE—Won by Captain Arrowsmith (Haverford), 28.6; Hunter (U. of P.) second, 28; Thorington (U. of P.) third, 27.4.
- PARALLEL BARS—Won by Atlee (U. of P.), 31.3; Whipple (M. I. T.) second, 28.7; Pew (M. I. T.) third, 27.5.
- CLUB SWINGING—Won by Gilmore (U. of P.), 16; Heilman (Haverford) (second), 14.5; Pew (M. I. T.) third, 13.4.
- HORIZONTAL BAR—Won by Atlee (U. of P.), 32.4; Long (Haverford) second, 29.5; Patton (M. I. T.) third, 24.5.
- TUMBLING—Won by Wood (M. I. T.), 29.5; McKinley (Haverford) second, 29; Long (Haverford) third, 26.8.
- JUDGES—Dr. Noble, Dr. Bishop.

Haverford, 23; U. of P., 31

March 8, 1921

- FLYING RINGS—Won by Patton (U. of P.), 28.8; Long (Haverford) second, 27.2; Chooli (U. of P.) third, 25.4.
- SIDE-HORSE—Won by Capt. Arrowsmith (Haverford), 29.4; Hunter (U. of P.) second, 28.8; Holmes (Haverford) third, 27.5.
- PARALLEL BARS—Won by Atlee (U. of P.), 31; Long (Haverford) second, 28; Brown (U. of P.) third, 27.6

CLUB SWINGING—Won by Captain Gilmore (U. of P.), 16.2.; Heilman (Haverford) second, 15.3; Holmes (Haverford) third, 13.8

HORIZONTAL BARS—Won by Atlee (U. of P.), 32; Long (Haverford) second, 30.7; Patton (U. of P.), third 28.

TUMBLING—Won by Woodward (U. of P.), 30.5; Long (Haverford) second, 28.7; McKinley (Haverford) third, 25.5.

JUDGES—Dr. Noble, Dr. Chadwick.

Intercollegiate Association of Amateur Gymnasts of America Meet Held at Princeton, March 19, 1921

HORIZONTAL BAR—Tie between Pearson (Navy) and Cory (Navy); C. M. Cremer (N. Y. U.) third.

CLUB SWINGING—Won by Gilmore (U. of P.); Newman (Princeton) second; Heilman (Haverford) third.

SIDE-HORSE Won by Cremer (N. Y. U.); Strang (Navy) second; Cripe (Chicago) third.

PARALLEL BARS—Won by S. Silverman (Navy); A. Schmorrr (N. Y. U.) second; Pearson (Navy) third.

FLYING RINGS—Won by Hales (Navy); Humphreys (M. I. T.) second; R. M. Miller (Princeton) third.

TUMBLING—Won by Woodward (U. of P.); J. S. Long (Haverford) second; Cory (Navy) third.

ALL AROUND CHAMPIONSHIP—Won by Pearson (Navy) 223.8; Cremer (N. Y. U.) second, 221.3; Cory (Navy) third, 207.3.

JUDGES—Dr. Bishop, Dr. Chadwick, Dr. R. E. Ikas, Mr. G. E. Ketcham, Mr. F. Metz, Dr. W. B. Noble, Mr. A. Picker, Dr. L. Prentiss, Dr. H. Seikel.

The team totals follow: Navy, 29; N. Y. U., 12; U. of P., 10; Haverford, 4; Princeton, 4; M. I. T., 3; Chicago, 1; Dartmouth, 0; Harvard, 0; Rutgers, 0; Yale, 0.

Eighteenth Annual Interscholastic Meet Haverford College Gymnasium, February 25, 1921 Team Scores

Newark Academy, 47; Lawrenceville, 19; Moses Brown, 10; Episcopal Academy, 10; Swarthmore Prep., 8; Haverford Prep., 1; Lower Merion, 1; Germantown Friends, 0; Penn Charter, 0.

Summary of Events

SIDE-HORSE—Won by Odell (Newark Academy); Mead (Newark Academy, second; Ball (Newark Academy) third.

HORIZONTAL BAR—Won by Depue (Newark Academy); Campbell (Newark Academy) second; Freeman, L. (Newark Academy) third.

PARALLEL BARS—Won by Freeman, L. (Newark Academy); Freeman, T. (Newark Academy) second; Ball (Newark Academy) third.

HIGH JUMP—Won by Bradley (Moses Brown); Harding (Lawrenceville) second; Burns (Lower Merion) third. Height, 5 ft. 9 in.

FLYING RINGS—Won by Depue (Newark Academy); Campbell, (Newark Academy) second; Cassanave (Haverford Prep.) third.

BROAD JUMP—Won by Bradley (Moses Brown); Campbell (Newark Academy) second; Landis (Swarthmore Prep.) third.

TUMBLING—Won by Parsonnet (Newark Academy); Pyle (Newark Academy) second; T. Freeman (Newark Academy) third.

ROPE CLIMB—Won by Hutchinson (Lawrenceville); Cardeza (Episcopal Academy) second; Landis (Swarthmore Prep.) third.

20-YARD DASH—Won by Litchfield (Lawrenceville); Coomb (Swarthmore Prep.) and Castleman (Episcopal Academy) tied for second.

200-YARD DASH—Won by Herter (Lawrenceville); Coombs (Swarthmore Prep.) second; Seufert (Lawrenceville) third.

RELAY RACE—Won by Episcopal Academy (Hodge, Singer, Cox and Miller).

STARTER—Dr. Matthew C. O'Brien.

REFEREE—Dr. M. S. Bennett.

JUDGES AND TIMERS—Dr. James A. Babbitt, Chairman; Dr. H. H. Jenks, E. A. Edwards, Dr. W. B. Noble, Alex. Grant, F. Palmer, Jr., A. Evans, Dr. H. L. Chadwick, Dr. Brookes Keffer, Dr. H. C. Taylor, Hans Froelicher, Jr., Francis Sharpless, John L. Scull, H. Norman Thorn.

Basketball Department

Manager

WILLIAM T. JEBB, '21

Assistant Managers

G. A. HILLEMANN, '22

T. R. MONTGOMERY, '22 (*Manager-elect*)

Captain

H. C. HENDERSON, '21

Coaches

DR. M. S. BENNETT, DR. L. DAVIS

Members of Team

HENDERSON (<i>Captain</i>).....	guard
R. MATZKE, '22 (<i>Captain-elect</i>).....	forward
E. B. HEILMAN, '21.....	forward
K. B. WALTON, '22.....	center
A. G. MUENCH, '22.....	guard

Substitutes—J. J. BABB, D. E. MATZKE, A. K. BUCKNELL

Schedule of Games

		H.	Opp.
Dec. 17.	Drexel at Haverford.....	21	12
Jan. 7.	Muhlenberg at Haverford.....	18	35
Jan. 14.	Ursinus at Haverford.....	24	20
Jan. 22.	Stevens at Hoboken.....	13	43
Feb. 4.	Johns Hopkins at Baltimore.....	19	20
Feb. 12.	Delaware at Newark.....	11	22
Feb. 18.	Franklin and Marshall at Haverford.....	21	17
Feb. 25.	Muhlenberg at Allentown.....	33	28
Mar. 12.	Swarthmore at Swarthmore.....	13	21

Haverford, 153; Opponents, 218

Haverford, 21; Drexel, 12

December 17, 1920

Haverford

R. Matzke.....	forward.....	Weinberger
Heilman, (D. Matzke).....	forward.....	Mansfield, (Tannenbaum)
Walton.....	center.....	Sidwell
Henderson.....	guard.....	Radcliffe
Muench, (Bucknell, Babb).....	guard.....	Connell

Field Goals—R. Matzke 7, Walton 2, Weinberger, Mansfield, Radcliffe, Connell. Foul goals—Sidwell 4 out of 7, R. Matzke 3 out of 5. Referee—R. W. Burritt. Time of halves—20 minutes.

Drexel



HAVERFORD COLLEGE BASKETBALL TEAM, 1920-21

Haverford, 18; Muhlenberg, 35
January 7, 1921

Haverford	Muhlenberg
Matzke.....	forward.....Butz
Heilman.....	forward.....Rhode
Walton.....	center.....Taggart
Henderson.....	guard.....Lewis
Muench.....	guard.....James

Field goals—Walton, 3; Heilman, 2; Matzke; Rhode, 4; Butz, 3; Lewis, 2; James. Foul goals—Matzke, 3; Heilman, 3; Rhode, 13.

Substitutions—Haverford: Bucknell for Matzke, D. Matzke for Muench, Babb for Matzke; Muhlenberg; Schanz for Taggart, Hackman for Butz.

Time of halves—20 minutes. Referee—Eckles (W. and J.)

Haverford, 24; Ursinus, 20
January 14, 1921

Haverford	Ursinus
Matzke, R.....	forward.....Staples
Heilman.....	forward.....Erb
Walton.....	center.....Kahn
Bucknell.....	guard.....Helfrich
Henderson.....	guard.....Gotschalk

Field goals—R. Matzke, 6; Heilman, Bucknell, Henderson. Helfrich, 3; Staples, 2; Erb, 2. Foul goals—Matzke, 5; Heilman; Staples, 3; Erb, 3. Substitutions—Muench for Bucknell, Babb for Matzke, Eisenberg for Gotschalk. Referee—Lewis. Time—20-minute halves.

Haverford, 13; Stevens, 43
January 22, 1921

Haverford	Stevens
Matzke.....	forward.....Higley
Heilman.....	forward.....Bettman
Walton.....	center.....Kroll
Henderson.....	guard.....Egger
Muench.....	guard.....Roth

Field goals—Higley, 3; Egger, 7; Muller, 4; Kurtz; Kroll; Brune, 2; Matzke; Heilman. Foul goals—Matzke, 9; Higley, 6; Kroll. Substitutions—Haverford: Bucknell for Muench; Stevens: Kurtz for Bettman, Muller for Roth, Brune for Higley. Time of halves—20 minutes. Referee—O'Shea. Umpire—Brunn.

Haverford, 19; Johns Hopkins, 20

February 4, 1921

Haverford

Johns Hopkins

Matzke.....	forward.....	Owings
Heilman.....	forward.....	Rogers
Walton.....	center.....	Barrett
Henderson.....	guard.....	Cashell
Muench.....	guard.....	Wood

Field goals—Matzke, 5; Walton, 1; Owings, 2; Barrett, 2; Wood 3; Wilson, 1. Foul goals—Matzke, 7; Cashell, 4. Substitutions—Bauernschmidt for Barrett, Saunders for Bauernschmidt, Martin for Saunders, Wilson for Cashell, Saunders for Barrett. Referee—Callowhill. Umpire—Ryan. Time—15-minute periods.

Haverford, 11; Delaware, 22

February 12, 1921

Haverford

Delaware

Matzke.....	forward.....	Williams
Heilman.....	forward.....	Keith
Walton.....	center.....	McCaughan
Henderson.....	guard.....	Alexander
Muench.....	guard.....	Wills

Field goals—Muench, 2; Matzke, 1; Heilman; McCaughan, 5; Alexander, Cole, Wills. Foul goals—McCaughan, 6; Matzke, 3. Substitutions—Cole for Williams. Referee—McDevitt. Time—20-minute halves.

Haverford, 21; Franklin and Marshall, 17
February 18, 1921

Haverford		F. and M.
Matzke.....	forward.....	Hoster
Heilman.....	forward.....	Weaver
Walton.....	center.....	Madison
Henderson.....	guard.....	Williams
Muench.....	guard.....	Garvey

Field goals—Matzke, 3; Walton, Muench, Groff, 2; Madison, Garvey. Foul goals—Madison, 9; Matzke, 7. Substitutions—Haverford: Bucknell for Heilman, Heilman for Bucknell, Bucknell for Heilman; Franklin and Marshall: Hausman for Hoster, Groff for Hausman. Referee—Eckles (W. and J.). Time—20-minute halves.

Haverford, 33; Muhlenberg, 28
Return Game, February 25, 1921

Muhlenberg		Haverford
Hackman.....	forward.....	Matzke
Phillips.....	forward.....	Heilman
Shanz.....	center.....	Walton
Taggart.....	guard.....	Henderson
Butz (<i>Capt.</i>).....	guard.....	Muench

Field goals—Matzke, 9; Hackman, 5; Butz, 2; Walton, 1; Schanz, 1; Phillips, 1. Foul goals—Butz, 10; Matzke, 7. Substitutions—Muhlenberg: Weiss for Phillips. Referee—Kistle. Time—20-minute halves.

Haverford, 13; Swarthmore, 21
March 12, 1921

Swarthmore		Haverford
Place.....	forward.....	R. Matzke
Kemp.....	forward.....	Heilman
Benjamin.....	center.....	Walton
Larkin (<i>Capt.</i>).....	guard.....	Henderson
Yarnall.....	guard.....	Muench

Field goals—for Swarthmore: Place, 2; Kemp, 2; Larkin Yarnall, 3; for Haverford: Matzke; Heilman; Walton, 2. Foul goals—for Swarthmore: Benjamin, 5; for Haverford: Matzke, 5. Referee—Kelley. Time of halves—20 minutes.

Track Department

Manager

T. L. FANSLER, JR.

Assistant Managers

R. W. JANNEY

A. K. BUCKNELL

Captain

A. MACINTOSH

Coaches

E. M. JONES

HOWARD BERRY

J. HOWLEY

Wearers of Track H

J. A. HISEY, '21 (ex-Captain)

W. W. BACON, JR., '23

A. MACINTOSH, '21 (Captain)

R. G. ALLEN, JR., '23

J. L. PIERCE, '21

C. B. STRAYER, '23

H. M. GRIGG, '22 (Captain-elect)

Numerals

H. C. HENDERSON, '21

D. R. EDGERTON, '24

Individual Point Totals

J. A. Hisey . . .	28½	C. B. Strayer . . .	15	K. B. Walton . . .	5
R. G. Allen . . .	26	J. L. Pierce	13	H. C. Henderson .	4½
W. W. Bacon . .	17	A. MacIntosh . . .	9	W. R. Jones	3
H. M. Grigg . .	16	D. R. Edgerton . .	6	H. L. Wilbur	3

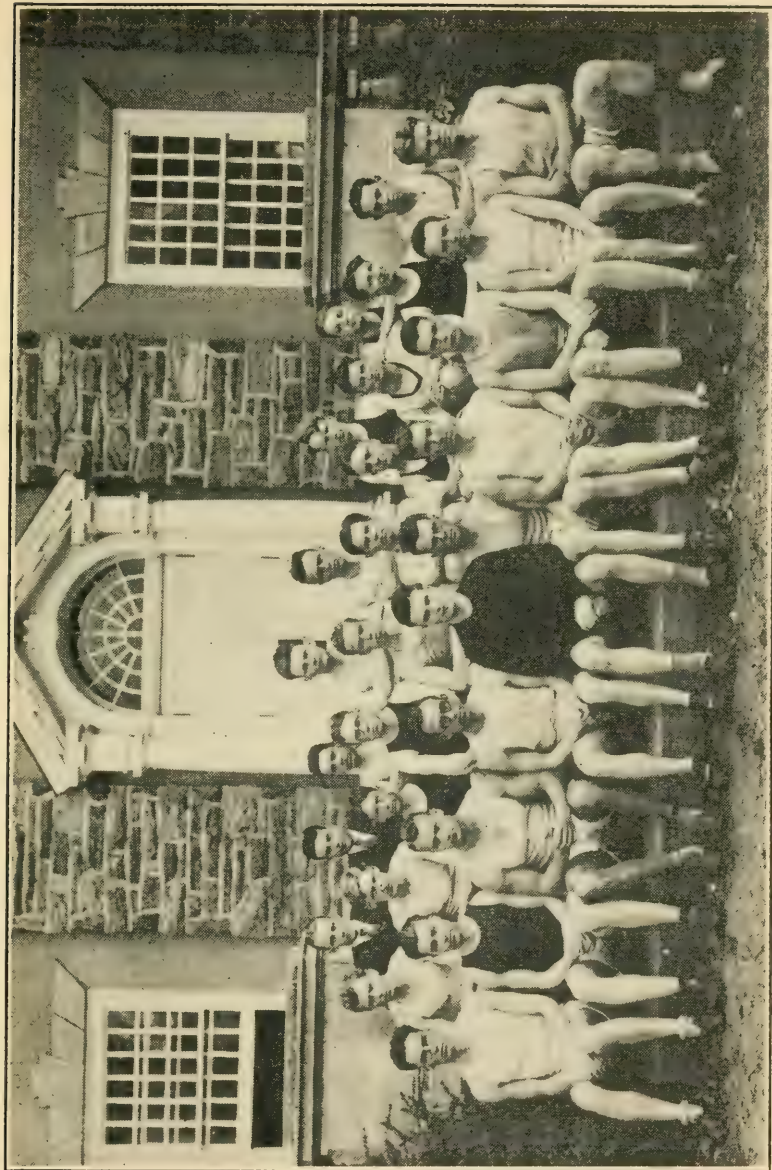
Track Schedule

Apr. 30. Penn Relays.

May 3. Delaware at Newark.

May 7. Triangle meet—Amherst and New York University at University Heights.

May 14. Middle Atlantic States at Johns Hopkins University, Baltimore, Md.



HAVERFORD COLLEGE TRACK TEAM, 1921

May 20. Muhlenberg at Haverford.
 May 28. Swarthmore at Haverford.
 Apr. 21. Interclass Meet.
 Nov. 8. Sophomores vs. Freshmen.

Haverford College Relay Team

HAROLD M. GRIGG, '22	RUSSEL G. ALLEN, '23
GEORGE A. HILLEMANN, '22	WILLIAM W. BACON, '23

Rutgers won M. A. S. C. Relay in record time of 3 min. 25 2-5 sec.
 Haverford finished seventh.

Middle Atlantic States Conference Meet

Baltimore, May 14, 1921

Rutgers first, Lafayette second. Haverford finished eleventh in field of fifteen colleges, with total of 3 points. Pierce was third in the discus and Hisey was fourth in the high hurdles.

Interclass Meet

April 21st

Sophomores 69, Seniors 23, Juniors 15½, Freshmen 12½.
 Sophomores vs. Freshmen, Nov. 8, 1920: 1923, 67; 1924, 29.

Haverford, 38½; Delaware, 73½

May 3, 1921

100-YARD DASH—Won by Pitman (Delaware); Allen (Haverford) second. Time, 10 2-5 sec.
 220-YARD LOW HURDLES—Won by Harmer (Delaware); MacIntosh (Haverford) second. Time, 26 2-5 sec.
 BROAD JUMP—Won by Fouracre (Delaware); Bacon (Haverford) second. Distance, 20 ft. 6 in.
 MILE RUN—Won by Booth (Delaware); J. W. McMullin (Delaware) second. Time, 4 min. 46 4-5 sec.
 SHOT PUT—Won by Gundlach (Delaware); Betzmer (Delaware) second. Distance, 33 ft. 5 in.

JAVELIN THROW—Won by Betzmer (Delaware); Humphries (Delaware) second. Distance, 171 ft. 3 in.

440-YARD RUN—Won by Smith (Delaware); Fouracre (Delaware) second. Time, 52 4-5 sec.

HIGH JUMP—Won by Hisey (Haverford); Henderson (Haverford) and McConnell (Delaware) tied for second. Height, 5 ft. 2 in.

DISCUS THROW—Won by Betzmer (Delaware); Pierce (Haverford) second. Distance, 112 ft. 11 in.

120-YARD HIGH HURDLES—Won by Allen (Haverford); R. H. McMullin (Delaware) second. Time, 17 1-5 sec.

880-YARD RUN—Won by Harmer (Delaware); Grigg (Haverford) second. Time, 2 min. 8 sec.

TWO-MILE RUN—Tie for first between Strayer (Haverford) and Hoey (Delaware). Time 10 min. 54 sec.

220-YARD DASH—Won by Allen (Haverford); Lilly (Delaware) second. Time, 23 sec.

POLE VAULT—Won by McConnell (Delaware); Henderson (Haverford) second. Height, 10 ft. 6 in.

New York University, 66; Amherst, 64; Haverford, 5

May 7, 1921

100-YARD DASH—Won by Clarke (Amherst); Perlman (N. Y. U.) second; Baldwin (N. Y. U.) third. Time, 10 2-5 sec.

220-YARD DASH—Won by Perlman (N. Y. U.); Freidlander (N. Y. U.) second; Allen (Haverford) third. Time, 23 sec.

120-YARD HIGH HURDLES—Won by Zunser (N. Y. U.); Stauft (Amherst) second; Allen (Haverford) third. Time, 16 1-5 sec.

220-YARD HURDLES—Won by Wing (Amherst); Stauft (Amherst) second; Scranton (N. Y. U.) third. Time, 27 sec.

440-YARD RUN—Won by Lee (Amherst); Allen (Amherst) second; Moyer (Amherst) third. Time, 54 2-5 sec.

880-YARD RUN—Won by Lee (Amherst); Moyer (Amherst) second; Mayer (N. Y. U.) third. Time, 2 min. 2-5 sec.

ONE MILE RUN—Won by Brennan (N. Y. U.); Munn (Amherst) second; Johnson (Amherst) third. Time, 4 min. 37 2-5 sec.

TWO-MILE RUN—Won by Johnson (Amherst); Strayer (Haverford) second; Tuttle (N. Y. U.) third. Time, 11 min. 1 2-5 sec.

BROAD JUMP—Won by Courtois (N. Y. U.), 23 ft. 5 in.; Baldwin (N. Y. U.) second, 22 ft. 7 in.; Rainone (N. Y. U.) third, 21 ft. 5 in.

DISCUS THROW—Won by Weatherdon (N. Y. U.), 121 ft. 9 in.; Guiny (N. Y. U.) second, 105 ft. 6 in.; Clarke (Amherst) third, 102 ft. 8 in.

HIGH JUMP—Won by Weatherdon (N. Y. U.), 6 ft.; Clarke (Amherst) second, 5 ft. 10 in.; Darling (Amherst) third, 5 ft. 7 in.

HAMMER THROW—Won by Moran (Amherst), 110 ft. 3 in.; F. Clarke (Amherst) second, 108 ft. 3 in.; Dorff (N. Y. U.) third, 90 ft.

SHOT PUT—Won by Guiny (N. Y. U.), 38 ft. 9 in.; Pierce (N. Y. U.) second, 37 ft. 11 in.; Courtois (N. Y. U.) third, 35 ft. 6 in.

POLE VAULT—Darling, Baily and Johnson, of Amherst, tied for first. Height, 10 ft.

JAVELIN THROW—Rainone (N. Y. U.) and Partington (N. Y. U.) tied for first, 137 ft. 9 in.; Courtois (N. Y. U.), third, 132 ft. 7 in.

Haverford, 45½; Muhlenberg, 66½

May 20, 1921

100-YARD DASH—Won by Reinartz (Muhlenberg); Hisey (Haverford) second. Time, 10 2-5 sec.

220-YARD LOW HURDLES—Won by Klein (Muhlenberg); MacIntosh (Haverford) second. Time, 26 2-5 sec.

440-YARD DASH—Won by Bacon (Haverford); Klein (Muhlenberg) second. Time, 51 3-5 sec.

880-Yard Dash—Won by Grigg (Haverford); O'Connor (Muhlenberg) second. Time, 2 min. 8 2-5 sec.

TWO-MILE RUN—Won by Strayer (Haverford); Bulenski (Muhlenberg) second. Time, 10 min. 56 3-5 sec.

DISCUS THROW—Won by Wills (Muhlenberg); Pierce (Haverford) second. Distance, 109 ft. 8 in.

120-YARD HIGH HURDLES—Won by Allen (Haverford); Klein (Muhlenberg) second. Time, 17 sec.

JAVELIN THROW—Won by Reinartz (Muhlenberg); Sauers (Muhlenberg) second. Distance, 152 ft. 6 in.

MILE RUN—Won by Weber (Muhlenberg); Jones (Haverford) second. Time, 4 min. 54 4-5 sec.

- HIGH JUMP—Won by Reinartz (Muhlenberg); Hisey (Haverford) second. Height, 5 ft. 7 in.
- 220-YARD DASH—Won by Reinartz (Muhlenberg); Allen (Haverford) second. Time, 22 4-5 sec.
- SHOT-PUT—Won by Wills (Muhlenberg); Edgerton (Haverford) second. Distance, 38 ft. 9 in.
- BROAD JUMP—Won by Reinartz (Muhlenberg); Bacon (Haverford) second. Distance, 21 ft. 7 in.
- POLE VAULT—Won by Reinartz (Muhlenberg); Hand (Haverford) and James (Muhlenberg) tied for second. Height, 10 ft. 6 in.

Haverford, 57; Swarthmore, 55

May 28, 1921

- 100-YARD DASH—Won by Hisey (Haverford); Thoenen (Swarthmore) second. Time, 10 3-5 sec.
- 440-YARD DASH—Won by Spackman (Swarthmore); Bacon (Haverford) second. Time, 51 2-5 sec.
- 880-YARD RUN—Won by Grigg (Haverford); La Follette (Swarthmore) second. Time, 2 min. 6 2-5 sec.
- POLE VAULT—Won by Kemp (Swarthmore); Sharpless (Swarthmore) second. Height, 10 ft. 3 in.
- DISCUS THROW—Won by Pierce (Haverford); Asplundh (Swarthmore) second. Distance, 109 ft. 10 in.
- HIGH JUMP—Won by Hampson (Swarthmore); Hisey and Nash (Haverford) tied for second. Height, 5 ft. 7 in.
- 120-YARD HIGH HURDLES—Won by Hisey (Haverford); Allen (Haverford) second. Time, 17 sec.
- BROAD JUMP—Won by Kemp (Swarthmore); Bacon (Haverford) second. Distance, 21 ft. 7½ in.
- 220-YARD LOW HURDLES—Won by Kemp (Swarthmore); Mac Intosh (Haverford) second. Time, 26 2-5 sec.
- MILE RUN—Won by Walton (Haverford); Grigg (Haverford) second. Time, 4 min. 40 sec.
- SHOT-PUT—Won by Asplundh (Swarthmore); Edgerton (Haverford) second. Distance, 37 ft. 8 in.
- TWO-MILE RUN—Won by Shaw (Swarthmore); Strayer (Haverford) second. Time, 10 min. 39 1-5 sec.



HAVERFORD COLLEGE BASEBALL TEAM, 1921

220-YARD DASH—Won by Hisey (Haverford); Spackman (Swarthmore) second. Time, 23 1-5 sec.

JAVELIN THROW—Won by Asplundh (Swarthmore); Wilbur (Haverford) second. Distance, 148 ft. 9½ in.

Baseball Department

Manager

W. S. TAYLOR, '21

Assistant Managers

H. S. FRASER, '22

N. S. ARROWSMITH, '22

Captain

J. L. PIERCE, '21

Coach

DR. M. S. BENNETT

Team

R. R. MATZKE.....	Left Field
VAN ZANDT.....	Second Base
FISHER.....	First Base
BROWN.....	Third Base
KNOWLTON.....	Catcher
K. B. WALTON.....	Shortstop
E. B. HEILMAN.....	Center Field
GUMMERE.....	Right Field
PIERCE.....	Pitcher
LONGSTRETH.....	Pitcher

Schedule

Apr. 16.	Dickinson at Haverford.
Apr. 23.	Stevens at Hoboken.
Apr. 30.	Franklin and Marshall at Haverford.
May 7.	Ursinus at Haverford.
May 14.	Delaware at Newark.
May 20.	Drexel at Haverford.
May 26.	Franklin and Marshall at Lancaster.
June 4.	Albright at Haverford.
June 11.	Swarthmore at Swarthmore.

Haverford, 3; Dickinson, 9

April 16, 1921

Dickinson

	ab	r	h	o	a	e
Forcey, cf.....	5	1	2	2	0	0
Anderson, 2b.....	4	1	0	2	3	0
Lowe, ss.....	5	1	1	4	1	0
Collins, 3b.....	4	3	4	1	1	1
Scioto, c.....	2	1	0	9	3	0
Shehadi, 1b.....	2	1	1	7	1	1
Heller, lf.....	5	0	1	1	0	0
Sayes, rf.....	2	1	0	0	0	0
Huffman, rf.....	2	0	1	0	0	0
Hennon, p.....	3	0	0	1	1	1
Totals.....	39	9	10	27	10	3

Haverford

	ab	r	h	o	a	e
Matzke, lf.....	2	1	1	6	1	1
Lewis, cf.....	3	0	0	0	0	0
White, cf.....	1	0	0	0	0	0
Fisher, c.....	4	2	2	9	2	1
Brown, ss.....	4	0	2	3	2	0
Walton, 3b.....	4	0	1	1	1	0
Knowlton, 1b.....	4	0	0	6	0	0
Pierce, p, rf.....	4	0	0	1	1	0
Jebb, rf.....	1	0	0	1	0	0
Longstreth, p.....	2	0	0	0	0	0
Heilman, 2b.....	2	0	1	0	0	1
Gummere, 2b.....	1	0	0	0	0	0
Totals.....	32	3	7	27	7	4

Left on bases—Dickinson 9, Haverford 5. Sacrifice hits—Shehadi, Matzke. Two-base hits—Collins, Brown. Triple, Brown. Double plays—Scioto to Shedai to Anderson. Struck out—Hennon 9, Longstreth 5, Pierce 2. Bases on balls—Off Pierce 9,

Longstreth 1, Hennon 2. Hit by pitched ball, Shehadi by Pierce. Wild pitches—Pierce, Hennon, Longstreth. Passed ball, Knowlton. Hits—Pierce 6 in 5 2-3 innings, Longstreth 4 in 3 1-3 innings. Hennon 7 in 9 innings. Steals—Collins 4, Sayes 3, Lowe, Anderson, Scioto, Fisher.

Haverford, 1; Ursinus, 11**May 7, 1921****Ursinus**

	ab	r	h	o	a	e
Faye, ss.....	3	2	1	2	5	1
Moser, cf.....	5	2	3	0	1	0
Kengle, 2b.....	5	1	2	0	6	0
Canan, 3b.....	5	1	0	1	2	0
Gregory, 3b.....	4	2	3	4	0	0
Rahn, 1b.....	4	2	1	15	0	0
Schwartz, rf.....	5	0	2	1	0	0
Hefferich, c.....	5	0	0	4	3	0
Shellenberger, p.....	3	1	0	0	3	0
Totals.....	39	11	12	27	20	1

Haverford

	ab	r	h	o	a	e
Matzke, lf.....	4	0	0	0	1	0
Van Zandt, 2b.....	4	1	2	0	4	0
Fisher, c.....	3	0	0	8	0	0
Brown, 3b, p.....	3	0	0	2	4	0
Knowlton, rf.....	4	0	0	0	0	0
Howland, 1b.....	3	0	0	12	1	1
Walton, ss.....	2	0	1	3	3	1
Pierce, cf, p.....	3	0	1	1	0	0
Longstreth, p.....	2	0	0	0	1	0
Hunsicker, p.....	0	0	0	0	2	0
Heilman, 3b.....	1	0	0	1	1	0
Totals.....	29	1	4	27	17	2

Triples—Kengle. Doubles—Kengle, Moser, Schwartz, Faye, Van Zandt. Stolen Bases—Faye, Canan, Van Zandt, Moser, Pierce, Gregory. Double Play—Walton to Heilman. Passed ball

Hefferich. Sacrifice hit—Fisher. Struck out—Shellenberger 3, Longstreth 3, Hunsicker 2, Brown 2. Bases on balls—Pierce 2, Hunsicker 3, Shellenberger 2, Longstreth 1. Left on bases—Ursinus 7, Haverford 3.

Haverford, 0; Delaware, 7

May 14, 1921

Delaware

	r	h	o	a	e
Wilson, 2b.....	0	0	3	1	0
Donoho, lf.....	0	1	1	0	0
McDonald, 1b.....	0	0	3	1	0
Madden, cf.....	1	2	0	0	0
Dantz, rf.....	1	1	1	0	0
Nutter, rf.....	0	0	0	0	0
Underwood, ss.....	3	2	4	1	0
Marvel, c.....	1	2	11	2	1
Spaid, c.....	0	0	3	0	0
Collins, p.....	1	1	0	1	0
Rothrock, p.....	0	0	0	1	0
Ramsey, p.....	0	0	0	0	0
Robbins, 3b.....	0	2	1	1	0
Totals.....	7	11	27	8	1

Haverford

	r	h	o	a	e
Matzke, lf.....	0	2	2	0	0
Van Zandt, 2b.....	0	0	1	6	0
Fisher, c.....	0	1	1	2	0
Brown, 3b.....	0	2	1	3	0
Knowlton, rf.....	0	2	0	0	1
Howland, 1b.....	0	0	12	0	2
Walton, ss.....	0	0	6	3	0
Gummere, cf.....	0	0	1	0	1
Jebb, rf.....	0	0	0	0	0
Hunsicker, rf.....	0	0	0	0	0
Longstreth, p.....	0	0	0	3	0
Totals.....	0	7	24	17	4

Three-base hits—Robbins. Struck out—By Collins 7, Rothrock 4, Ramsey 3. Sacrifice hits—Robbins, Dantz. Stolen bases—Donoho, Dantz, Underwood, Rothrock, Knowlton. Wild pitches—Ramsey, Collins. Bases on balls—Off Rothrock 4, Longstreth 3. Left on bases—Delaware 9, Haverford 7. Umpire—Kirk.

Haverford, 9; Drexel, 8**May 20, 1921****Haverford**

	ab	r	h	o	a	e	sh	tb
Matzke, lf.....	4	0	0	1	1	0	0	0
Van Zandt, 2b.....	4	2	2	1	1	0	0	4
Fisher, 1b.....	2	2	1	14	1	0	0	4
Brown, 3b, p.....	2	2	1	0	4	0	1	3
Knowlton, c.....	4	1	1	6	1	0	0	1
Walton, ss.....	4	0	3	3	2	0	0	3
Heilman, cf.....	2	1	2	2	0	1	1	2
Gummere, rf.....	0	0	0	0	1	0	0	0
Pierce, rf.....	4	1	0	0	0	0	0	0
Longstreth, p.....	3	0	0	0	8	0	0	0
Hunsicker, 3b.....	1	0	0	0	0	0	0	0
Totals.....	30	9	10	27	19	1	2	17

Drexel

	ab	r	h	o	a	e	sh	tb
Smith, 3b.....	5	1	1	1	4	0	0	1
Belcher, 2b.....	5	1	2	7	1	1	0	2
Jones, 1b.....	3	1	1	7	1	1	0	2
Radcliffe, ss.....	5	1	5	2	1	0	0	6
Van Sickle, lf....	5	1	1	0	0	0	0	2
Walton, rf.....	3	0	0	0	0	1	0	0
Weinberger, rf.....	0	0	0	0	0	0	0	0
Crichton, cf.....	3	1	0	3	0	0	1	0
Mater, c.....	3	1	1	6	4	0	0	1
Hansen, p.....	3	1	0	1	3	0	0	0
Total.....	35	8	11	27	14	3	1	14

Bases on balls—Off Brown 3, Hansen 4. Hit by Pitcher—Jones, Hansen, Smith. Stolen bases—Smith, Crichton, Heilman, Pierce, Radcliffe, Brown. Double plays—Radcliffe to Belcher. Left on bases—Drexel 6, Haverford 3. Two-base hits—Van Zandt 2, Van Sickle, Radcliffe, Jones, Belcher. Three-base hits—Brown, Home run—Fisher. Struck out—By Longstreth 3, Brown 1, Hansen 5. Umpire—Adams.

Tennis Department

Manager

R. ATKINSON, '21

Assistant Managers

J. F. GUMMERE

D. A. FLANDERS

Team

B. B. WEATHERBY, 2D, '21 (Captain)

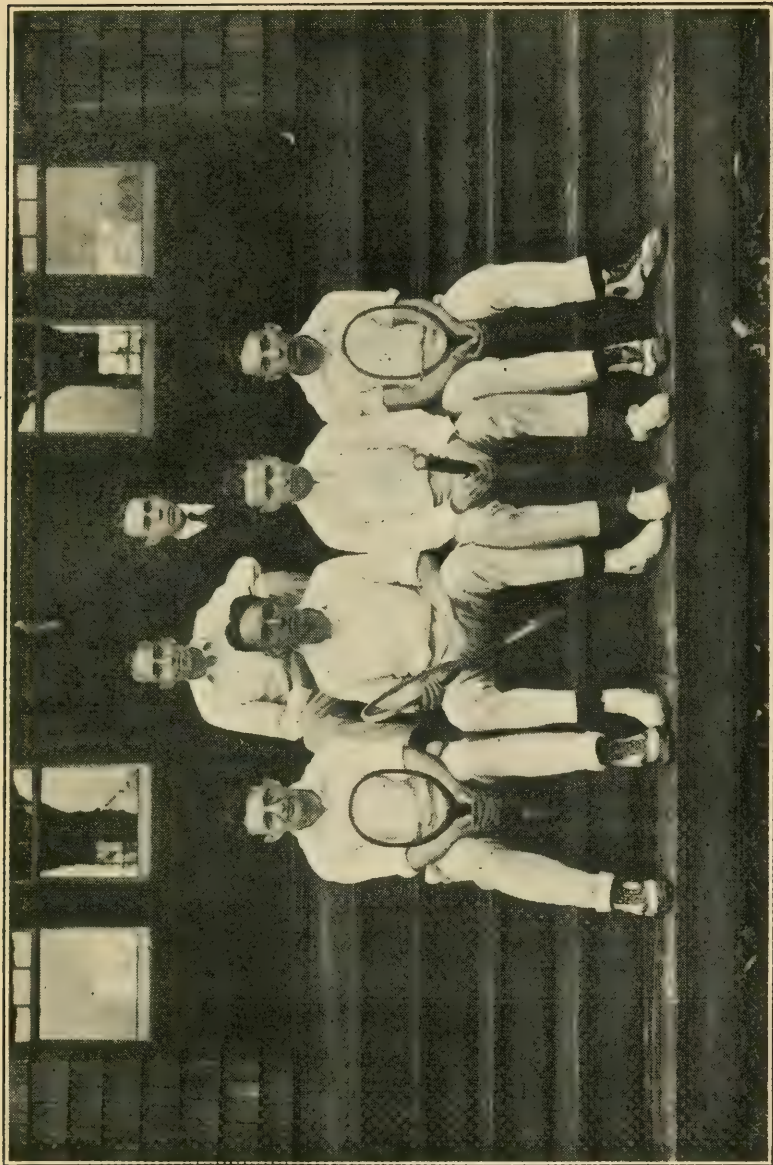
F. WARRINER, '23

A. K. BUCKNELL, '22 (Captain-elect)

F. S. MILLER, '23

Schedule with Scores

Date		H.	Opp.
Apr. 20.	Phila. Textile School (home).....	0	6
May 18.	Moravian College at Bethlehem.....	3	3
May 20.	New York University (home).....	3	3
May 21.	Swarthmore (home).....	1	6
May 26.	Delaware (home).....	4	2
May 27.	Franklin and Marshall (away).....	4	2
May 28.	Johns Hopkins (away).....	6	0



HAVERFORD COLLEGE TENNIS TEAM, 1921

Cricket Department*Manager*

A. M. ABELE, '21

Assistant Managers

C. G. PAXSON, '22

G. A. HILLEMANN, '22

Captain

J. E. ROGERS, '21

Coach

F. L. BURTON

Cricket Team

J. E. ROGERS, '21 (Captain)

E. B. GRAVES, '19

J. J. BABB, '21

C. M. SNADER, '22

S. N. EWAN, JR., '21

D. MCDANIEL, '23

A. M. ABELE, '21

T. M. LOGAN, '23

R. M. BALDERSTON, '21

G. S. HOAG, '23

H. C. HENDERSON, '21

H. COMFORT, '24

Schedule

		H.	Opp.
May 7.	Germantown C. C. (home)*.....	119	126
May 18.	Belmont C. C.....	164	135
May 21.	Wanderers*.....	184	101
May 26.	Wanderers*.....	127	63
May 28.	Merion C. C.*.....	69	57
May 30.	Philadelphia C. C.*.....	197	122
June 4.	Germantown at Manheim.*.....	126	120
June 10.	Alumni.		
June 11.	Philadelphia C. C.*		

Second Team Games

May 19.	Penn Charter School.....	124	34
June 1.	Penn Charter School.		

* Philadelphia Cricket League Cup Matches.

Interclass and Faculty Series**Won by 1921**

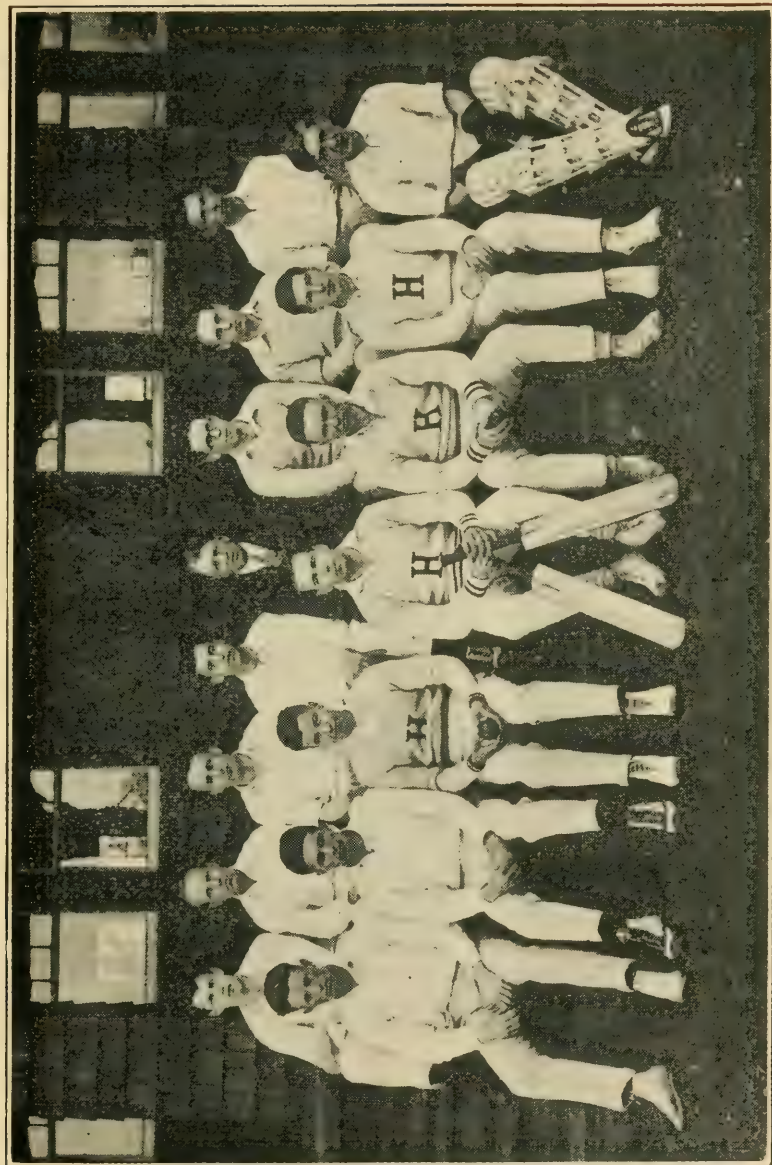
Apr. 18.	1922—76, 1924—48.
Apr. 19.	1921 won from 1923 by forfeit.
Apr. 20.	1921—73, 1922—42.
May 13.	Faculty—85, 1924—14.
May 16.	1921—62, Faculty—48.

Haverford, 119; Germantown, 126**May 7, 1921****Germantown****FIRST INNINGS**

Maxwell, c. Hoag.....	5
Myers, c. Rogers.....	3
Greene, b. Ewan.....	2
Thackara, s. Muench.....	5
Haines, b. Logan.....	16
Marshall, c. Ewan.....	7
Bind, b. Ewan.....	5
Savage, c. Ewan.....	2
Haines, Jr., c. Babb.....	4
Cauffman, b. Ewan.....	1
Dixton, not out.....	4
Extras.....	13
Total.....	67

SECOND INNINGS

Maxwell, b. Ewan.....	17
Myers, c. Babb.....	6
Haines, c. Ewan.....	6
Marshall, b. Logan.....	6
Thackera, c. Babb.....	8
Greene, b. Ewan.....	3
Bissell, c. Logan.....	6
Savage, c. Balderston.....	0



Haverford College Cricket Team, 1921

Haines, Jr., c. Snader.....	0
Dixton did not bat.....	0
Cauffman did not bat.....	0
Extras.....	<u>7</u>
Total.....	59
Game total.....	126

Haverford**FIRST INNINGS**

Comfort, r. o. Marshall.....	3
Rogers, c. Dixon.....	3
Abele, b. Marshall.....	6
Ewan, h. w. Marshall.....	5
Logan, h. w. Maxwell.....	6
Balderston, b. Maxwell.....	12
Babb, not out.....	6
McDaniel, c. Maxwell.....	3
Hoag, b. Maxwell.....	3
Snader, b. Maxwell.....	0
Muench.....	2
Extras.....	<u>15</u>
Total.....	64

SECOND INNINGS

Babb, r. o.....	26
Logan, b. Greene.....	1
Rogers, r. o.....	1
Abele, r. o.....	3
Balderston, retired.....	16
Ewan, not out.....	5
McDaniel, l. b. w.....	0
Hoag, r. o.....	1
Comfort did not bat.....	0
Snader did not bat.....	0
Muench did not bat.....	0
Extras.....	<u>2</u>
Total.....	55
Game total.....	119

BOWLING ANALYSIS

	R.	W.	Ave.
Logan.....	37	5	7.4
Ewan.....	30	4	7.5

Haverford, 184; Wanderers, 101**May 21, 1921****The Wanderers**

A. H. Graham, c. Babb, b. Ewan.....	26
W. A. Allison, c. Ewan, b. Ewan.....	6
D. Graham, b. Ewan.....	39
A. C. Wood, c. Rogers, b. Logan.....	10
G. W. Melville, b. Logan.....	1
H. Ward, c. McDonald, b. Ewan.....	4
M. Palmer, c. Comfort, b. Logan.....	6
S. P. Levis, s. Henderson, b. Ewan.....	0
E. J. Wood, not out.....	6
T. S. Ellis, c. Ewan, b. Ewan.....	1
H. W. Kumm, b. Logan.....	0
<hr/>	
Total from the bat.....	99
Leg byes.....	2
<hr/>	
Total for the game.....	101

BOWLING ANALYSIS

	R.	W.	Ave.
D. Graham.....	17	1	17
A. C. Wood.....	56	2	28
Allison.....	65	5	13
A. H. Graham.....	19	2	9.5
Melville.....	31	0	...

Haverford

Abele, b. Graham.....	16
Rogers, b. Melville.....	41
Balderston, c. b. A. C. Wood.....	2
Logan, c. Wood, b. Melville.....	31
Henderson, c. b. Allison.....	24
Babb, c. Palmer, b. Allison.....	30
Comfort, c. Allison, b. Allison.....	1
Ewan, c. Allison, b. Allison.....	5
Comfort, c. Allison, b. Allison.....	1
Graves, c. and b. Wood.....	17
Snader, b. Allison.....	6
McDaniel, not out.....	4
<hr/>	
Total from the bat.....	177
Byes.....	6
Leg byes.....	1
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Total for the game.....	184

BOWLING ANALYSIS

	R.	W.	Ave.
Logan.....	52	4	13
Ewan.....	50	6	8.3

Time: Wanderers: 1 hour, 10 minutes; Haverford, 2 hours, 15 minutes.

Haverford, 127; Wanderers, 63**May 26, 1921****Haverford**

Rogers, c. Ashbridge, b. Allison.....	18
Abele, c. D. Graham, b. D. Graham.....	1
Babb, c. Hinchman, b. Ashbridge.....	10
Logan, b. Hinchman.....	29
Henderson, b. Ashbridge.....	15
Balderston, b. Thompson.....	16
Ewan, b. Ashbridge.....	0
Graves, b. Ashbridge.....	0
Comfort, b. Ashbridge.....	0
Snader, not out.....	27
McDaniel, b. Thompson.....	8
Extras.....	3
<hr/>	
Total.....	127

Wanderers

A. H. Graham, b. Ewan.....	4
W. S. Hinchman, st. Henderson, b. Logan.....	6
J. H. Tattersall, b. Logan.....	40
D. Graham, c. Balderston, b. Logan.....	25
W. Allison, b. Logan.....	6
G. Ashbridge, b. Logan.....	0
W. W. Comfort, c. McDaniel, b. Ewan.....	2
J. Wood, b. Logan.....	0
Thompson, b. Logan.....	4
E. N. Crosman, not out.....	3
Benson, st. Henderson, b. Ewan.....	9
Extras.....	5
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Total.....	63

BOWLING ANALYSIS

	R.	W.	Ave.
Logan.....	36	7	5.1
Ewan.....	22	3	9.6

Haverford, 69; Merion C. C., 57**May 28, 1921****Haverford**

Rogers, c. Castle, b. Murphy.....	1
Abele, b. Castle.....	7
Babb, b. Castle.....	23
Logan, st. Jacobs, b. Mifflin.....	3
Henderson, c. Callaghan, b. Castle.....	8
Balderston, c. Trout, b. Castle.....	5
Ewan, l. b. w., b. Murphy.....	0
Graves, b. Murphy.....	16
Snader, b. Thorpe.....	2
McDaniel, b. Thorpe.....	1
Wilson, not out.....	1
Extras.....	2
<hr/>	
Total.....	69

Merion C. C.

Trout, c. Logan, b. Ewan.....	5
Castle, b. Logan.....	0
Hirst, c. Snader, b. Ewan.....	22
Jacobs, c. Logan, b. Ewan.....	0
Callaghan, b. Ewan.....	0
Murphy, b. Logan.....	2
Mifflin, c. Graves, b. Ewan.....	13
E. Thorpe, l. b. w., b. Ewan.....	2
Blamphin, b. Logan.....	6
Robb, not out.....	1
Extras.....	6
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Total.....	57

BOWLING ANALYSIS

	R.	W.	Ave.
Logan.....	29	3	9.6
Ewan.....	22	6	3.7

Haverford, 197; Philadelphia C. C., 122**May 30, 1921****Haverford****FIRST INNINGS**

Rogers, b. Ellison.....	13
Abele, b. Ellison.....	4
Babb, b. Norris.....	1
Logan, b. Norris.....	9
Henderson, c. Bicknell, b. Norris.....	1
Balderston, b. Ellison.....	0
Ewan, l. b. w., b. Norris.....	4
Graves, c. Sutton, b. Ellison.....	4
Comfort, c. Ellison, b. Ellison.....	5
Snader, c. Gummey, b. Norris.....	1
McDaniel, not out.....	1
Extras.....	15
<hr/>	
Total.....	58

SECOND INNINGS

Rogers, l. b. w., b. Van Pelt.....	35
Abele, b. Norris.....	13
Babb, b. Ellison.....	16
Logan, b. Ellison.....	7
Henderson, not out.....	56
Extras.....	12
<hr/>	
Total.....	139
Game total.....	197

BOWLING ANALYSIS**First Innings**

	R.	W.	Ave.
Logan.....	29	3	9.3
Ewan.....	12	5	2.4

Second Innings

	R.	W.	Ave.
Logan.....	32	7	4.5
Ewan.....	38	2	19.0

Philadelphia C. C.**FIRST INNINGS**

Taylor, c. Rogers, b. Ewan	7
Van Pelt, b. Ewan.....	16
Ellison, b. Ewan.....	4
Norris, c. McDaniel, b. Logan.....	1
Oglesby, b. Ewan.....	5
Gummey, c. Balderston, b. Logan.....	0
Bicknell, b. Logan.....	2
Price, not out.....	1
Fellows, b. Ewan.....	5
Extras.....	3
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Total.....	44

SECOND INNINGS

Taylor, c. Henderson, b. Ewan.....	13
Van Pelt, c. Babb, b. Logan.....	15
Ellison, c. and b. Logan.....	11
Norris, b. Logan.....	11
Oglesby, c. Abele, b. Ewan.....	0
Gummey, b. Logan.....	6
Bicknell, b. Logan.....	9
Fellows, b. Logan.....	0
Price, c. Babb, b. Logan.....	0
Wilson, run out.....	5
Extras.....	8
<hr/>	
Total.....	78
Game total.....	122

The Walton Prize Cup

Presented by Mr. Ernest F. Walton, of the Class of 1890, for the encouragement of individual athletic work, and to be awarded annually to the student who wins the highest total of points in athletic competition during the college year, and subject to the following conditions:

1. The athletic events accepted shall be those of the annual interclass athletic meeting, the sophomore-freshman athletic sports, the Pennsylvania relay carnival, the annual Princeton handicap games, and the I. C. A. A. A. A. meeting. Additional events may be accepted at the discretion of the committee of award. (Dual college meets now included.)

2. See Art. VIII, Sec. 4, of A. A. Constitution for revised value of points.

3. The athletic sub-committee of the general advisory athletic committee of the alumni and students shall constitute the committee of award.

4. The winner of the Cup shall hold the same for one year and his name with total points won shall be inscribed upon it.

5. The Cup shall be returned to the athletic director immediately after the Intercollegiate Meeting (I. C. A. A. A. A.), and shall be re-awarded within the two weeks following the same meeting.

6. The conditions above outlined may be modified at the unanimous wish of the joint student and alumni committee, with the consent of the donor.

Holder's of the Walton Prize Cup

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Aver.</i>
1901—	J. W. REEDER.....	'02	23
1902—	J. W. REEDER.....	'02	53½
1903—	T. K. BROWN, JR.....	'06	42
1904—	T. K. BROWN, JR.....	'06	45
1905—	T. K. BROWN, JR.....	'06	58½
1906—	T. K. BROWN, JR.....	'06	77
1907—	WALTER PALMER.....	'10	62
1908—	WALTER PALMER.....	'10	66
1909—	G. S. BARD.....	'09	55½

1910—WALTER PALMER.....	'10	60
1911—F. M. FROELICHER.....	'13	67½
1912—F. M. FROELICHER.....	'13	66½
1913—F. M. FROELICHER.....	'13	66½
1914—E. M. JONES.....	'14	73
1915—W. L. MARTWICK.....	'16	51
1916—J. A. HISEY.....	'18	47½
1919—J. A. HISEY.....	'19	68
1920—FRANCIS SILVER.....	'20	24
1921—J. A. HISEY.....	'21	30½

Cope Prize Bat

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Aver.</i>
1877—E. T. COMFORT.....		'78	18.83
1878—E. T. COMFORT.....		'78	10.03
1879—SAMUEL MASON.....		'80	14.
1880—SAMUEL MASON.....		'80	17.57
1881—T. N. WINSLOW.....		'81	12.5
1882—G. B. SHOEMAKER.....		'83	9.6
1883—W. F. PRICE.....		'81	11.88
1884—SAMUEL BETTLE.....		'85	17.25
1885—SAMUEL BETTLE.....		'85	23.
1886—G. S. PATTERSON.....		'88	32.8
1887—A. G. GARRETT.....		'87	35.66
1888—T. E. HILLES.....		'88	9.6
1889—R. L. MARTIN.....		'92	13.
1890—C. H. BURR, JR.....		'89	19.14
1891—J. W. MUIR.....		'92	38.5
1892—J. W. MUIR.....		'92	26.25
1893—J. A. LESTER.....		'96	100.5
1894—J. A. LESTER.....		'96	62.2
1895—J. A. LESTER.....		'96	49.83
1896—J. A. LESTER.....		'96	41.1
1897—C. G. TATNALL.....		'97	9.85
1898—T. WISTAR.....		'98	21.75
1899—F. C. SHARPLESS.....		'00	26.
1900—F. C. SHARPLESS.....		'00	37.
1901—C. C. MORRIS.....		'04	21.89

1902—C. C. MORRIS.....	'04	35.29
1903—C. C. MORRIS.....	'04	50.26
1904—W. P. BONBRIGHT.....	'04	31.29
1905—R. L. PEARSON.....	'05	37.
1906—A. T. LOWRY.....	'05	25.8
1907—A. W. HUTTON.....	'10	31.6
1908—A. W. HUTTON.....	'10	19.5
1909—H. A. FURNESS.....	'10	47.4
1910—H. A. FURNESS.....	'10	66.
1911—H. G. TAYLOR, JR.....	'11	28.33
1912—L. V. THOMAS.....	'14	21.3
1913—S. E. STOKES.....	'14	24.55
1914—S. E. STOKES.....	'14	45.8
1915—J. M. CROSMAN.....	'18	27.7
1916—J. M. CROSMAN.....	'18	
1917—Not Awarded.		
1918—J. D. BARLOW.....	'19	26.2
1919—J. M. CROSMAN.....	'18	44.4
1920—A. M. ABELE.....	'21	31.

Congdon Prize Ball

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Aver.</i>
1877—	J. M. W. THOMAS.....	'78	1.11
1878—	E. T. COMFORT.....	'78	6.47
1879—	W. C. LOWRY.....	'79	5.81
1880—	B. V. THOMAS.....	'83	5.78
1881—	W. L. BAILY.....	'83	5.31
1882—	A. C. CRAIG.....	'84	4.30
1883—	W. L. BAILY.....	'83	8.00
1885—	W. F. HILLES.....	'85	4.50
1886—	A. C. GARRETT.....	'87	8.25
1887—	J. W. SHARP, JR.....	'88	7.68
1888—	H. P. BAILY.....	'90	5.47
1889—	H. P. BAILY.....	'90	5.86
1890—	H. P. BAILY.....	'90	6.50
1891—	D. H. BLAIR.....	'91	17.50
1892—	JOHN ROBERTS.....	'93	7.33
1893—	JOHN ROBERTS.....	'93	7.90

1894—A. P. MORRIS.....	'95	5.97
1895—A. P. MORRIS.....	'95	6.46
1896—J. A. LESTER.....	'96	6.19
1897—R. S. WENDELL.....	'00	8.25
1898—L. W. DEMOTTE.....	'01	5.22
1899—W. S. HINCHMAN.....	'00	9.40
1900—L. W. DEMOTTE.....	'01	6.
1901—L. W. DEMOTTE.....	'01	8.13
1902—N. A. SCOTT.....	'02	10.92
1903—H. PLEASANTS, JR.....	'06	7.49
1904—F. D. GODLEY.....	'07	4.83
1905—H. PLEASANTS, JR.....	'06	7.47
1906—F. D. GODLEY.....	'07	8.47
1907—J. B. CLEMENT, JR.....	'08	8.2
1908—J. C. THOMAS.....	'08	7.46
1909—H. HOWSON.....	'12	8.66
1910—L. R. THOMAS.....	'13	7.1
1911—W. D. HARTSHORNE, JR.....	'11	9.4
1912—J. K. GARRIGUES.....	'14	10.45
1913—W. C. BRINTON.....	'15	12.2
1914—W. C. BRINTON.....	'15	8.6
1915—W. C. BRINTON.....	'15	10.2
1916—A. D. OLIVER.....	'19	8.6
1917—Not Awarded.		
1918—E. H. THORPE.....	'19	9.6
1919—E. H. THORPE.....	'19	8.5
1920—S. N. EWAN, JR.....	'21	10.8

Haines Prize Fielding Belt

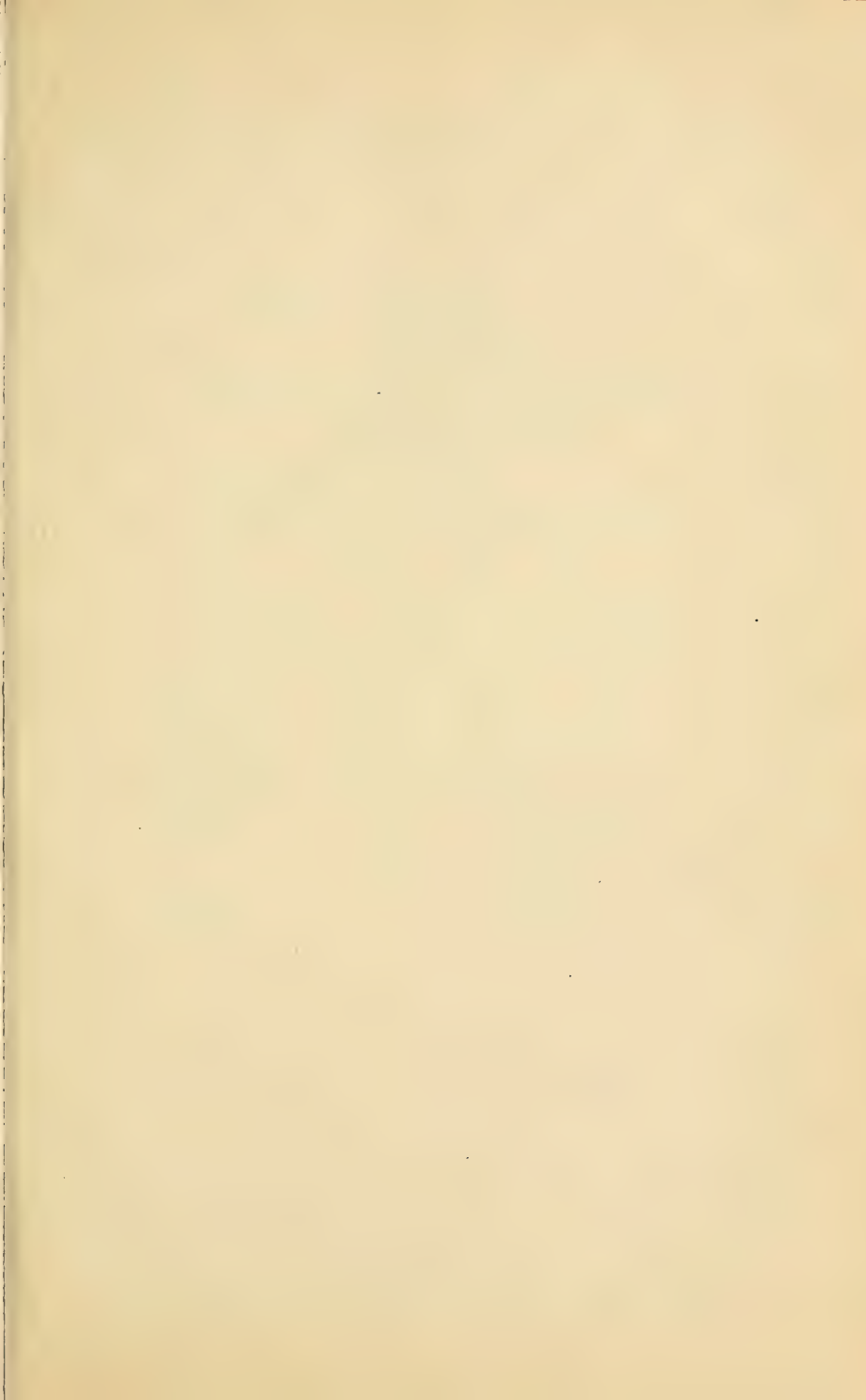
1876—C. S. CROSMAN.....	'78	1885—W. F. PRICE.....	'81
1877—A. L. BAILY.....	'78	1886—J. W. SHARP, JR.....	'88
1878—J. E. SHEPPARD.....	'79	1887—H. P. BAILY.....	'90
1879—A. P. CORBITT.....	'80	1888—C. H. BURR, JR.....	'89
1880—W. F. PRICE.....	'81	1889—J. S. STOKES.....	'86
1881—B. V. THOMAS.....	'83	1890—J. W. MUIR.....	'90
1882—S. B. SHOEMAKER.....	'83	1891—G. THOMAS, 3D.....	'91
1883—W. L. BAILY.....	'83	1892—S. W. MORRIS.....	'94
1884—W. S. HILLES.....	'85	1893—W. W. SUPPLEE.....	'95

1894—F. P. RISTINE.....'94	1908—E. A. EDWARDS.....'08
1895—J. H. SCATTERGOOD... '96	1909—H. A. FURNESS.....'10
1896—A. G. SCATTERGOOD... '98	1910—H. A. FURNESS.....'10
1897—A. G. SCATTERGOOD... '98	1911—H. M. THOMAS, JR... '12
1898—A. G. SCATTERGOOD... '98	1912—H. W. SECKLE.....'14
1899—W. S. HINCHMAN.....'00	1913—S. E. STOKES.....'14
1900—W. V. DENNIS.....'02	1914—H. S. MILLER.....'14
1901—C. C. MORRIS.....'04	1915—J. E. SHIPLEY.....'16
1902—A. C. WOOD, JR.....'02	1916—J. E. SHIPLEY.....'16
1903—J. B. DRINKER.....'03	1917—Not awarded.
1904—H. H. MORRIS.....'04	1918—.....
1905—A. T. LOWRY.....'06	1919—G. E. TOOGOOD.....'20
1906—H. W. DOUGHTEN, JR. '06	1920—C. A. OSLER.....'20
1907—J. P. MAGILL.....'07	

College Athletic Records

<i>Event</i>	<i>Time or distance</i>	<i>Holder</i>	<i>Date</i>
100-Yard Dash....	10 sec.....	E. M. Jones, '14.....	1914
220-Yard Dash....	22 $\frac{1}{5}$ sec.....	E. M. Jones, '14.....	1914
440-Yard Dash....	50 $\frac{1}{5}$ sec.....	W. Palmer, '10.....	1910
Half-Mile Run....	2 min. 3 $\frac{4}{5}$ sec.....	E. C. Tatnall, '07.....	1905
One-Mile Run....	4 min. 35 sec.....	P. J. Baker, '10.....	1907
Two-Mile Run....	10 min. 15 $\frac{1}{5}$ sec.....	D. Clement, '17.....	1916
High Hurdles....	15 $\frac{1}{5}$ sec.....	T. K. Brown, Jr., '06..	1905
Low Hurdles....	25 $\frac{1}{5}$ sec.....	W. L. Martwick, '16..	1915
Broad Jump.....	21 ft. 8 in.....	F. M. Froelicher, '13..	1912
High Jump.....	6 ft. 1 in.....	E. B. Conklin, '99.....	1899
Shot Put.....	41 ft. 8 $\frac{1}{2}$ in.....	F. M. Froelicher.....	1912
Hammer Throw... 123 ft. 6 in.....		H. W. Jones, '05.....	1905
Discus Throw....	118 ft. 8 in.....	James L. Pierce, '21...	1919
Pole Vault.....	11 ft. 2 in.....	P. Hunter, '16.....	1916
Javelin.....	154 ft.....	Francis S. Silver, '20..	1920





HAVERFORD COLLEGE DIRECTORY

1921-1922

HAVERFORD COLLEGE BULLETIN

Vol. XX

OCTOBER, 1921

No. 1

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Congress of July 16, 1894.

Accepted for mailing at special rate of postage provided for in Section 1103.

Act of October 3, 1917, authorized on July 3, 1918.

COLLEGE OFFICE AND BUILDING TELEPHONES*

Alumni Secretary	1441	
Barclay Hall, North.....	439	W
Barclay Hall, South.....	439	J
Barclay Hall, Centre.....	68	
Chemical Building	988	J
Dean	1441	
Founders Hall	564	J
Graduate School	258	W
Gymnasium	754	W
Infirmery	763	
Lloyd Hall, Rooms 1-4	564	W
Lloyd Hall, Rooms 5-12	1444	
Lloyd Hall, Rooms 13-22	1427	
Merion Hall	267	J
President	221	
Power House	988	W
Registrar	221	
Skating Pond	1426	

* Ardmore Exchange.

STUDENTS IN THE COLLEGE

Names and addresses. In the last column is given the number of the Student's dormitory room; Bn is an abbreviation for Barclay Hall, North; Bc, for Barclay Hall, Centre; Bs, for Barclay Hall, South; F, for Founders Hall; L, for Lloyd Hall; M, for Merion Hall; H. U., for Haverford Union; D, for day-student.

GRADUATE STUDENTS

Name.	Home Address.	College Address.
Atkinson, Robert	312 Gowen Ave., Mt. Airy, Pa.....	22 L
Ewan, Stacy Newcomb.....	Millville, N. J.....	21 Bs
Graves, Edgar Baldwin.....	2304 Madison Square, Philadelphia, Pa.	21 Bs
Ohl, Raymond Theodore.....	148 Cricket Ave., Ardmore, Pa.....	19 L

SENIOR CLASS

Abbott, Charles David, Jr.....	211 S. Walnut St., Milford, Del.....	15 L
Arrowsmith, Noel Stryker.....	496 Park Ave., Orange, N. J.....	36 Bc
Barker, John Bryant.....	1525 Shady Ave., Pittsburgh, Pa...	66 Bn
Braddock-Rogers, Kenneth	Haddonfield, N. J.....	H.U
Bucknell, Allen Kazlitt.....	1761 N. 36th St., East St. Louis, Ill.	43 Bc
Coder, William Dickey.....	620 S. High St., West Chester, Pa..	16 L
Deacon, William Whitman	R. F. D. No. 2, West Chester, Pa. ...	D
Emigh, Chalmers Preston.....	Huntingdon, Pa.	D
Fansler, Thomas LaFayette.....	Frazer, Pa.	16 L
Flanders, Donald Alexander.....	31 Orchard St., Springfield, Vt.....	43 Bc
Fraser, Henry Salmon.....	1113 First North St., Syracuse, N. Y.	10 L
Grigg, Harold Maurice.....	Haddonfield, N. J.....	12 M
Gummere, John Flagg.....	Glen Mills, Pa.....	17 M
Hall, Percival, Jr.....	1 Kendall Green, Washington, D. C.	13 F
Hallock, Joseph	Milton, N. Y.....	39 Bc
Heilman, William Blair.....	876 Wynnewood Rd., Philadelphia, Pa.	13 M
Hendricks, William Craig.....	Chambersburg, Pa.	31 Bc
Hilleman, George Adolph.....	7152 Meade St., Pittsburgh, Pa.....	24 Bs
Janney, Richard Worth.....	212 W. Upsal St., Germantown, Pa.	11 M
Klemm, Ralph Adam.....	1204 Lehigh Ave., Philadelphia, Pa..	11 L
MacCallum, William Henry, Jr.....	6602 Germantown Ave., Philadel- phia, Pa.	14 L
McKinley, Morrison Cushman.....	1619 Green St., Philadelphia, Pa...	2 F
Matzke, Robert Rudolph.....	805 E. Seneca St., Ithaca, N. Y.....	31 Bc
Miller, Frederick Stahl.....	349 N. Duke St., Lancaster, Pa.....	11 L
Millner, Alfred Walker.....	Leesburg, Ohio	9 M
Molitor, Robert Louis.....	125 W. Cheltenham Ave., Germantown, Pa.	5 M
Montgomery, Thomas Roger	Woods Hole, Mass.	34 Bc
Morris, Elliston Perot.....	131 W. Walnut Lane, Germantown, Pa.	14 F
Muench, Alfred George.....	Haverford, Pa.	33 Bc

Name.	Home Address.	College Address.
Paxson, Chauncey Gause.....	2414 Bryn Mawr Ave., Philadelphia, Pa.	12 M
Pfund, Harry William.....	115 W. Logan St., Philadelphia, Pa.	23 Bs
Reiter, John Harkey.....	452 Walnut St., Allentown, Pa.	44 Bc
Reitzel, William Attich.....	Cor. Harvard and Cornell Aves., Swarthmore, Pa.	15 L
Rhoads, William Lester.....	Boyertown, Pa.	22 L
Sagebeer, Richard Grafflin.....	Berwyn, Pa.	D
Sangree, Nathan Barnitz.....	4031 Baltimore Ave., Philadelphia, Pa.	15 F
Sidel, James Eckel.....	509 Robeson St., Reading, Pa.	44 Bc
Silver, William Easter.....	Aberdeen, Md.	14 L
Snader, Craig McComb.....	Haverford, Pa.	24 Bs
Sutton, Richard Manliffe.....	1547 Clarkson St., Denver, Colo.	16 F
Taylor, Edward Allinson.....	Haverford, Pa.	D
Thompson, Edward Jackson.....	Philipsburg, Pa.	39 Bc
Walton, Kenneth Betts.....	315 Oriental Ave., Atlantic City, N.J.	33 Bc
Wise, Malcolm Rose.....	Clifton Heights, Pa.	23 F
Wright, John Colvin.....	116 E. Penn St., Bedford, Pa.	23 Bs
Zerrer, Edwin Walter.....	5428 Westford Rd., Olney Park, Pa.	10 L

JUNIOR CLASS

Allen, Russel Greene, Jr.....	Cornwall-on-Hudson, N. Y.	13 Bs
Bacon, William Warder, Jr.....	162 Queen Lane, Germantown, Pa.	13 Bs
Borton, John Carter.....	Moorestown, N. J.	16 Bs
Prown, Henry Tatnall, Jr.....	Moorestown, N. J.	15 Bs
Buck, Addison Steward.....	Hempstead, L. I., N. Y.	37 Bc
Carpenter, Horace Walton.....	3935 Lindell Boulevard, St. Louis, Mo.	35 Bc
Dennett, Carleton	350 W. 55th St., New York, N. Y.	11 F
Farrar, Hal Gordon.....	1434 Tremont Place, Denver, Colo.	20 L
Fisher, Guilford Dudley.....	Malvern, Pa.	10 Bs
Flint, Frank Plumley.....	58 Bradford Ave., Crafton Sta., Pittsburgh, Pa.	37 Bc
Flowers, Frank Shuster.....	Paulsboro, N. J.	19 L
Fry, Gilbert Crawford.....	4612 Chester Ave., Philadelphia, Pa.	8 L
Grimes, George Randle.....	333 Vassar Ave., Swarthmore, Pa.	3 F
Hamilton, William Henry.....	4835 California St., Omaha, Neb.	20 L
Haviland, Edward Kenneth.....	Port Deposit, Md.	4 M
Heyer, Charles Dixon.....	High and Ridgway Sts., Mt. Holly, N. J.	14 Bs
Heyne, Irvin Coltun.....	5258 Addison St., Philadelphia, Pa.	3 F
Himes, Rees Slaymaker.....	120 E. King St., Shippensburg, Pa.	21 L
Hoag, Garrett Scattergood.....	Haverford, Pa.	16 Bs
Huffman, George Conrad.....	Waynesburg, Pa.	21 L
Hunsicker, William Cosgrove, Jr.....	1625 Race St., Philadelphia, Pa.	9 Bs
Hunt, George Wood.....	709 Spruce St., Philadelphia, Pa.	D
Hutkin, Marcus Diamonstone.....	5826 Mascher St., Philadelphia, Pa.	41 Bc
Jones, Wilmot Rufus.....	Concord, Mass.	14 Bs
Knowlton, Stephen Brooks.....	Haverford, Pa.	D

Name.	Home Address.	College Address.
Lewis, Andrew Lindsay.....	Broomall, Pa	68 Bn
Logan, Thomas Megowan.....	48 E. Washington Lane, Philadel- phia, Pa.	35 Bc
Morris, Marriott Canby, Jr.....	131 W. Walnut Lane, Germantown, Pa.	38 Bc
Morss, Franklin Crawford, Jr.....	6703 Cresheim Rd., Mt. Airy, Pa...	28 Bc
Parke, Thomas	Downingtown, Pa.	12 Bs
Pruitt, Dudley McConnell.....	Hwanghsien, China	18 F
Rutt, Norman Eby.....	914 Old Lancaster Rd., Bryn Mawr, Pa.	17 F
Schultz, Robert	Hawley, Pa.	7 F
Scott, Kennett Schurch.....	Oakbourne, Pa.	28 Bc
Stevenson, John Bryant.....	1530 Denniston Ave., Pittsburgh, Pa.	66 Bn
Strawbridge, Gordon Weld.....	School Lane, Germantown, Pa.....	15 Bs
Strayer, Charlton Bevan.....	101 E. Tremont Ave., New York, N. Y.	9 F
Wagenseller, Wayne MacVeagh....	1307 Market St., Harrisburg, Pa..	68 Bn
Walton, William Wyclif.....	315 Oriental Ave., Atlantic City, N. J.	12 F
Warner, Charles, Jr.....	2311 W. 11th St., Wilmington, Del.	13 L
Warriner, Farnham	18th and Walnut Sts., Philadelphia, Pa.	13 L
White, Nelson Arold.....	Drexel Hill, Pa.....	38 Bc
Wilbur, Harry Lawrence.....	Haverford, Pa.	D
Williamson, Alexander Jardine.....	West Chester, Pa.....	1 F

SOPHOMORE CLASS

Bader, Charles Frederick, Jr.....	163 Main St., Phoenixville, Pa.....	58 Bn
Bainbridge, Henry Clay.....	Beesley's Point, N. J.....	17 L
Barry, Robert, 2d.....	205 N. 36th St., Philadelphia, Pa...	D
Beideman, Casper Melvin.....	Merchantville, N. J.....	6 Bs
Blair, John Fries.....	Winston-Salem, N. C.....	6 L
Brinton, Cortland Beadle.....	Bryn Mawr, Pa.....	D
Brinton, Hugh Penn, Jr.....	West Chester, Pa.....	1 M
Carpenter, Dean	394 Irving Ave., Port Chester, N. Y.	1 Bs
Carson, John Stanton.....	230 S. Negley Ave., Pittsburgh, Pa.	12 L
Comfort, Howard	Haverford, Pa.	60 Bn
Costenbader, Walter Grosh.....	Slatington, Pa.	18 L
Edgerton, David Russell.....	Haverford, Pa.	D
Ellis, Thomas Southard.....	5511 Morris St., Germantown, Pa..	59 Bn
Fisher, John Monroe, Jr.....	222 S. 15th St., Philadelphia, Pa....	5 L
Fite, George Liddle.....	138 Fitz Randolph Rd., Princeton, N. J.	64 Bn
Foulke, Edward	Ambler, Pa.	7 F
Frazier, Charles Harrison, Jr.....	1724 Spruce St., Philadelphia, Pa..	69 Bn
Greenwell, Harold Doman.....	4517 Spruce St., Philadelphia, Pa..	18 L
Grigg, Percy Chandler.....	Haddonfield, N. J.....	10 F

Name.	Home Address.	College Address.
Hand, William Henry.....	122 S. Franklyn St., Nyack, N. Y....	20 Bs
Haring, Forrest Chapman.....	2489 Sedgwick Ave., New York, N. Y.	9 L
Harnwell, Gaylord Probasco.....	615 University Place, Evanston, Ill.	60 Bn
Hastings, Stanley Bond.....	Prescott, Mass.	19 F
Haviland, Paul Robbins.....	The Knoll, Lansdowne, Pa.....	102 M
Headly, John Frederick.....	West Grove, Pa.....	101 M
Heilman, Wesley Marvin.....	876 Wynnewood Rd., Philadelphia, Pa.	42 Bc
Herrick, Colin James.....	Girard College, Philadelphia, Pa....	71 Bn
Hinrichsen, Axel Febiger.....	Glenolden, Pa.	D
Hogenauer, Howard Jessup.....	2640 Morris Ave., Bronx, New York, N. Y.	112 M
Howgate, George Washbourne.....	414 Cartaret St., Camden, N. J....	110 M
Jefferis, Warren Harper.....	100 E. Walnut Ave., Merchantville, N. J.	6 Bs
Leeds, Robert West.....	162 S. Penn Ave., Atlantic City, N. J.	11 Bs
Levering, Griffith George.....	The Hollow, Va.....	3 M
Longstreth, Richard	826 S. 48th St., Philadelphia, Pa....	69 Bn
Margolis, Abram	129 Main St., Coatesville, Pa.....	41 Bc
Mead, Morris William, Jr.....	354 Lehigh Ave., Pittsburgh, Pa....	12 L
Morris, Leo Nelson.....	La Habra, Calif.	14 M
Muller, Frank Fenton.....	419 Chestnut Lane, Wayne, Pa....	19 Bs
Mullin, Arthur	Pinecrest, West Chester, Pa.....	58 Bn
Nash, Charles Edgar.....	Wyncote, Pa.	6 M
Patterson, Edward Bell.....	42 W. Walnut Ave., Merchantville, N. J.	2 Bs
Payne, Harold Carnaby.....	323 S. 50th Ave., Omaha, Neb.....	20 L
Reich, John Frederick.....	Morris Heights, Morrisville, Pa....	5 F
Rhoads, Philip Garrett.....	Moorestown, N. J.....	61 Bn
Rittenhouse, John Olmstead.....	392 Jefferson Ave., Brooklyn, N. Y..	67 Bn
Robertson, James Theodore.....	1450 Columbus Ave., N. S., Pitts- burgh, Pa.	6 L
Roedel, George Joyce.....	613 Buck St., Millville, N. J.....	103 M
Savage, Albert Edward.....	Low Buildings, Bryn Mawr, Pa....	21 F
Sadtler, George Lewis.....	1026 Cathedral St., Baltimore, Md..	1 L
Sadtler, Leander Riddle.....	1026 Cathedral St., Baltimore, Md..	1 L
Smith, James Bennett, Jr.....	Eureka, N. Y.....	21 F
Sprankle, Joseph Fleming, Jr.....	138 E. Long Ave., DuBois, Pa.....	17 L
Taylor, Lawrence Newbold.....	Haverford, Pa.	61 Bn
Tingley, Charles Love Scott, Jr....	St. Davids Rd., Wayne, Pa.....	17 Bs
Turner, Gordon Mackenzie.....	351 N. 114th St., New York, N. Y..	70 Bn
VanTine, Edward Postlethwaite....	1706 Girard Ave., Philadelphia, Pa.	5 L
Walker, Elwood Thomas.....	1202 DeKalb St., Norristown, Pa..	62 Bn
Wallenstein, Nathaniel	118 W. 112th St., New York, N. Y.	55 Bn
Waln, Robert Lee.....	600 Lexington Ave., New York, N. Y.	20 F
West, William Nelson, 3d.....	Wynnewood, Pa.	6 M
Wilbur, Donald Elliott.....	Haverford, Pa.	D
Wood, Horatio C., 3d.....	319 S. 41st St., Philadelphia, Pa....	59 Bn

FRESHMAN CLASS

Name.	Home Address.	College Address.
Acton, Conrad Berens.....	Salem, N. J.....	105 M
Arnold, Jerrold Clement.....	Whittier, Calif.	14 M
Ball, Eric Glendinning.....	1415 Mt. Royal Ave., Baltimore, Md.....	116 M
Barton, Francis Carroll, Jr.....	114 Park Road, Llanerch, Pa.....	22 F
Bates, Robert Charles, Jr.....	Port Deposit, Md.....	2 M
Bayer, William Livingston.....	540 E. 178th St., New York, N. Y..	50 Bn
Bentley, Wray Davison.....	12 High St., Glen Ridge, N. J.....	52 Bn
Billo, Geoffroy	2422 University Ave., New York, N. Y.	50 Bn
Blair, Henry Mitchell, Jr.....	111 W. Washington St., Chicago, Ill.	7 L
Burns, Roger Shupert.....	35 Wyoming Ave., Ardmore, Pa....	D
Chadwick, Leigh Edward.....	16th and R Sts., N. W., Washing- ton, D. C.	29 Bc
Cocks, Rowland C.....	Cornwall, N. Y.....	30 Bc
Douglas, Lyman Calkins.....	404 Lawrence Ave., Westfield, N. J.	52 Bn
Eiseman, Douglas Walter.....	513 N. Clapier St., Germantown, Pa.....	109 M
Eiseman, John Alfred.....	513 N. Clapier St., Germantown, Pa.....	111 M
Eshleman, Martin	Denver, Pa.	6 F
Fortescue, Frank Archambault.....	509 E. Gorgas Lane, Mt. Airy, Pa..	3 Bs
Garrett, Philip Cresson.....	5301 York Rd., Logan, Pa.....	51 Bn
Garrett, Thomas Cresson.....	5301 York Rd., Logan, Pa.....	53 Bn
Gordy, Edward Lee.....	Chambersburg, Pa.	26 Bc
Gross, Gerald Connop.....	85 W. Post Rd., White Plains, N. Y.	22 F
Haines, Charles William.....	Masonville, N. J.....	8 F
Harvey, John Sykes Curtis, Jr.....	Radnor, Pa.	22 Bs
Heilman, Horace Richard.....	876 Wynnewood Rd., Philadelphia, Pa.	42 Bc
Hinricks, William Ernest.....	76 Lincoln St., Glen Ridge, N. J....	72 Bn
Hollingshead, Irving	Moorestown, N. J.....	32 Bc
House, Henry Fleming.....	1623 Melrose Place, Knoxville, Tenn.	4 L
Hulme, Alfred Parsons.....	5900 Wayne Ave., Germantown, Pa.	50 Bn
Johnson, Charles Harmony.....	New Castle, Pa.....	3 L
Johnson, Phillips.	New Castle, Pa.....	3 L
Johnston, Walter Ames.....	5905 Thompson St., Philadelphia, Pa.	25 Bc
Kumm, Karl H. Grattan Guinness....	25 Pine Grove Ave., Summitt, N. J..	15 M
Laug, Edwin Penckert.....	701 Beechwood Ave., Collingdale, Pa.	32 Bc
Lord, Durrell Leacock.....	Valhalla, N. Y.....	30 Bc
Margolis, Julius	129 Main St., Coatesville, Pa.....	113 M
Mathis, Norman	120 Atlantic Ave., Atlantic City, N. J.	2 L
Montgomery, Hugh	Woods Hole, Mass.....	104 M
Nieh, Kwangchi Christopher.....	22 Wayside Rd., Shanghai, China..	63 Bn
Oliver, Robert Hugh Henderson.....	522 N. Church St., West Chester, Pa.	5 Bs
Peck, Horace Sill, Jr.....	Tenafly, N. Y.....	108 M
Pennock, Edward Garrett.....	243 Harvey St., Germantown, Pa..	56 Bn

Name.

Home Address.

College Address.

Prokosch, Frederick	Bryn Mawr, Pa.....	D
Reinhardt, David Jones, Jr.....	Ford Building, Wilmington, Del...	8 Bs
Rice, Willard Martin, IV.....	647 W. Phil-Elena St., German- town, Pa.	7 L
Rogers, William Davis.....	Medford, N. J.	8 F
Sanders, James Montgomery.....	706 Reservoir St., Baltimore, Md..	114 M
Sassaman, Walter Russell.....	Glenside, Pa.	107 M
Schulze, John Lewis, Jr.....	104 Benedict Ave., South Ardmore, Pa.	D
Sellers, Charles Coleman.....	Glenn Road, Ardmore, Pa.....	4 Bs
Silver, John Archer.....	Aberdeen, Md.	53 Bn
Smith, Rutledge Fell.....	319 North 16th St., Philadelphia, Pa.	40 Bc
Starbuck, John Clinton.....	Media, Pa.	51 Bn
Stifler, Francis McIlhenny.....	Evanston, Ill.	26 Bc
Stokes, Walter Percival, Jr.....	Holmesburg, Pa.	5 Bs
Strong, Henry Hooker.....	31 Pennsylvania Ave., Coatesville, Pa.	22 Bs
Taubel, Louis Edward.....	Wildwood Crest, N. J.....	D
Taylor, Harold Benjamin.....	Malvern, Pa.	D
Thomas, George, IV.....	Whitford, Pa.	56 Bn
Thomas, Raymond Moore.....	Wayne, Pa.	30 F
Turner, Paul Flagler.....	Haverford, Pa.	D
Vandever, Henry Shreve.....	2101 Van Buren St., Wilmington, Del.	2 L
Warfield, Benjamin Breckenridge, Jr..	Chambersburg, Pa.	7 Bs
Watson, James Rose.....	3270 Orleans St., Pittsburgh, Pa....	4 L
Weisser, Charles O'Neil.....	5732 Walnut St., Pittsburgh, Pa....	106 M
Wickersham, Thomas Randolph.....	Harrisburg, Pa.	
Wiley, Stanley Edward.....	5335 Locust St., Philadelphia, Pa....	25 Bc
Willson, Hugh Latimer.....	53 Roberts Ave., Haddonfield, N. J.	29 Bc
Wright, Austin, Jr.....	116 E. Penn St., Bedford, Pa.....	115 M
Yerkes, Harman Alfred.....	246 North 17th St., Philadelphia, Pa.	30 F

For Faculty and Officers, see back cover

FACULTY AND OFFICERS

	Address (Haverford unless otherwise noted.)	Telephone (Ardmore Exchange)
Babbitt, Dr. James A.....	3 College Ave.	50
Barrett, Don C.....	Walnut Lane	934 W
Carpenter, James McF., Jr.....	Woodside Cottage ...	522 W
Chase, Oscar M.....	Founders Hall	564 J
Comfort, William W.....	Walton Field	455
Grant, Elihu	8 College Lane	258 W
Hinchman, Walter S.....	1 College Circle	1510
Johnston, Robert J.....	Founders Hall	564 J
Jones, Rufus M.....	2 College Circle	97 J
Kelly, John A.....	Founders Hall	564 J
Kelsey, Rayner W.....	11 College Ave.	563 W
Lockwood, Dean P.....	6 College Circle	522 J
Lunt, William E.....	5 College Lane	1507 W
Meldrum, W. Buell.....	13 College Ave.	
Palmer, Frederic, Jr.....	7 College Lane	97 W
Post, L. Arnold.....	9 College Lane	258 M
Pratt, Henry S.....	4 College Circle	942 J
Rantz, J. Otto.....	Highland Park, Pa.	
Reid, Legh W.....	Merion Cottage	986 W
Rittenhouse, Leon H.....	6 College Lane	285 J
Sanger, George T.....	Founders Hall	564 J
Snyder, Edward D.....	15 College Ave.	1509 W
Watson, Frank D.....	5 College Ave.	203 W
Wilson, Albert H.....	7 College Ave.	216

THE CORPORATION
OF
HAVERFORD COLLEGE

REPORTS OF
PRESIDENT OF THE COLLEGE
TREASURER OF THE CORPORATION

PRESENTED AT THE ANNUAL MEETING
TENTH MONTH 11, 1921

HAVERFORD, PA.

CORPORATION

President

ASA S. WING. 409 Chestnut St., Phila.

Secretary

J. STOGDELL STOKES. Summerdale, Phila.

Treasurer

J. HENRY SCATTERGOOD. 648 Bourse Building, Phila.

BOARD OF MANAGERS

Term Expires 1922

GEORGE VAUX, JR. 1606 Morris Building, Phila.

FREDERIC H. STRAWBRIDGE. 801 Market St., Phila.

JONATHAN M. STEERE. Girard Trust Co., Phila.

L. HOLLINGSWORTH WOOD. 20 Nassau St., New York, N. Y.

STANLEY RHOADS YARNALL. Gtn. Ave. and Coulter St., Gtn., Phila.

HENRY M. THOMAS. 1228 Madison Ave., Baltimore, Md.

WILLIAM WISTAR COMFORT. Haverford, Pa.

RICHARD M. GUMMERE. 8 South Twelfth St., Phila.

Term Expires 1923

WILLIAM H. HAINES. 5433 Wayne Ave., Germantown, Phila.

FRANCIS A. WHITE. 607 Keyser Building, Baltimore, Md.

JOHN M. WHITALL. 410 Race St., Phila.

MORRIS E. LEEDS. 4901 Stenton Ave., Germantown, Phila.

EDWARD W. EVANS. 304 Arch St., Phila.

HENRY COPE. Awbury, Germantown, Phila.

T. CHALKLEY PALMER. R. F. D. No. 2, Media, Pa.

RICHARD D. WOOD. 626 Chestnut St., Phila.

Term Expires 1924

JAMES WOOD. Mt. Kisco, N. Y.

ABRAM F. HUSTON. Coatesville, Pa.

THOMAS F. BRANSON. Rosemont, Pa.

SETH K. GIFFORD. Moses Brown School, Providence, R. I.

CHARLES J. RHOADS. 1914 S. Rittenhouse Sq., Phila.

DANIEL SMILEY. Mohonk Lake, N. Y.

ARTHUR H. THOMAS. W. Washington Sq., Phila.

WILLIAM A. BATTEY. Stephen Girard Bldg., Phila.

ASA S. WING, *President*. 409 Chestnut St., Phila.

MORRIS E. LEEDS, *Secretary*. 4901 Stenton Ave., Gtn., Phila.

STANDING COMMITTEES OF THE BOARD OF MANAGERS

Executive Committee

JOHN M. WHITALL	MORRIS E. LEEDS
CHARLES J. RHOADS	J. HENRY SCATTERGOOD
GEORGE VAUX, JR.	STANLEY R. YARNALL
FREDERIC H. STRAWBRIDGE	J. STOGDELL STOKES

Committee on Finance and Investments

WILLIAM H. HAINES	CHARLES J. RHOADS
FRANCIS A. WHITE	JONATHAN M. STEERE

Committee on Accounts

J. STOGDELL STOKES,	EDWARD W. EVANS
JONATHAN M. STEERE	ARTHUR H. THOMAS

Committee on College Property and Farm

FREDERIC H. STRAWBRIDGE	DANIEL SMILEY
JOHN M. WHITALL	T. CHALKLEY PALMER
ABRAM F. HUSTON	ARTHUR H. THOMAS

Committee in Care of Thomas Wistar Brown Graduate School

CHARLES J. RHOADS	J. HENRY SCATTERGOOD
JOHN M. WHITALL	MORRIS E. LEEDS

The President of the Corporation is *ex-officio* a member of all standing committees.

FACULTY*

WILLIAM WISTAR COMFORT, PH.D, LITT.D., LL.D.,
President

LYMAN BEECHER HALL, PH.D.,
John Farnum Professor of Chemistry, *Emeritus*

ALBERT SIDNEY BOLLES, PH.D., LL.D.,
Lecturer on Commercial Law and Banking, *Emeritus*

HENRY SHERRING PRATT, PH.D.,
David Scull Professor of Biology

JAMES ADDISON BABBITT, A.M., M.D.,
Professor of Hygiene and Physical Education

RUFUS MATTHEW JONES, LITT.D., D.D.,
Professor of Philosophy

DON CARLOS BARRETT, PH.D.,
Professor of Economics

LEGH WILBER REID, PH.D.,
Professor of Mathematics

FREDERIC PALMER, JR., PH.D.,
Dean and Professor of Physics

WILLIAM EDWARD LUNT, PH.D.,
Walter D. and Edith M. L. Scull Professor of English
Constitutional History

ELIHU GRANT, PH.D.,
Professor of Biblical Literature

* Arranged in order of appointment to present rank.

HAVERFORD COLLEGE

RAYNER WICKERSHAM KELSEY, PH.D.,
Professor of History

WALTER SWAIN HINCHMAN, A.M.,
Francis Barton Gummere Professor of English

LEON HAWLEY RITTENHOUSE, M.E.,
Professor of Engineering

FRANK DEKKER WATSON, PH.D.,
Professor of Sociology and Social Work

ALBERT HARRIS WILSON, PH.D.,
Associate Professor of Mathematics

DEAN PUTNAM LOCKWOOD, PH.D.,
Librarian and Associate Professor of Latin

WILLIAM BUELL MELDRUM, PH.D.,
Associate Professor of Chemistry

OSCAR MARSHALL CHASE, S.M.,
Registrar and Assistant Professor of Drawing

EDWARD DOUGLAS SNYDER, PH.D.,
Assistant Professor of English

JOHN ALEXANDER KELLY, PH.D.,
Assistant Professor of German

JAMES MCFADDEN CARPENTER, JR., A.M.,
Instructor in Romance Languages

LEVI ARNOLD POST, A.M., B.A.,
Instructor in Greek

FACULTY

ARLINGTON EVANS,
Instructor in Physical Training

HELEN SHARPLESS,
Assistant Librarian

JOHN OTTO RANTZ,
Assistant in the Engineering Laboratory

EDGAR BALDWIN GRAVES, A.B.,
Assistant in Physics

PRESIDENT'S REPORT

College has opened this year with an attendance of 225. There are 69 Freshmen; 19 new students have entered with advanced standing from other colleges. Again we have to report that this is the largest number of undergraduates Haverford has ever received and that all dormitory accommodations are filled. There are 19 day students.

The demand for higher education has been steadily increasing since the War. We have never received so many inquiries regarding entrance from both near and far. For the first time the present Freshman class entered largely upon examinations set by the College Entrance Board. The Faculty has decided that henceforth this shall be the regular method of entrance, and that only emergency cases and students with conditions shall enter by our own examinations held in Ninth month. It is clear that the wise policy of the previous administration in placing quality always before quantity has secured for Haverford an enviable reputation and that in the future we shall have an excess of applications for admission from which we can select those young men who appear of the best promise.

At the annual meeting of the Corporation held Tenth month 12th, 1920, Richard D. Wood, of the Class of 1898, was elected a member of the Board for the term of three years. At a meeting of the Board held Eleventh month 19th, 1920, the resignation of Albert L. Baily, of the Class of 1878, "was received and, with much regret, accepted." To fill the unexpired term of Albert L. Baily, Arthur H. Thomas of Haverford, Pa., was elected a member of the Board at a meeting held First month 21st, 1921.

There are no changes in the personnel of the College

PRESIDENT'S REPORT

Faculty for the year 1921-1922. The Board of Managers has, however, sanctioned the following promotions: Leon Hawley Rittenhouse, M.E., to be Professor of Engineering; Frank Dekker Watson, Ph.D., to be Professor of Sociology and Social Work; William Buell Meldrum, Ph.D., to be Associate Professor of Chemistry; John Alexander Kelly, Ph.D., to be Assistant Professor of German. Leave of absence during the second term of 1921-1922 has been granted to Professor Don C. Barrett.

At its meeting held First month 21st, 1921, the Board adopted the following minute regarding the recent death of Professor Allen Clapp Thomas, of the Class of 1865:

"The death of Allen C. Thomas, which occurred on the 15th of Twelfth month, has removed one whose life has been intimately bound up with the life and development of the College. He entered Haverford in 1861 at the age of fifteen. He won marked distinctions as a student and graduated in 1865 as valedictorian of his class. In 1878 he was appointed Business Manager of the College with the title of Prefect and at the same time was made Professor of Rhetoric, Political Science and History, serving in these capacities until 1885. After a year of study in Europe he returned in 1886 to devote himself more specifically to the Department of History and the expanding duties of Librarian, though he also continued to teach Political Science until 1893.

"His wide knowledge of books not only in his own field but also in general literature made him a valuable adviser of the students in their reading in the Library and a helpful counsellor to anyone doing research work. He has further rendered a very important service to the College as Curator of Quaker Literature and History, though that title was not conferred upon him.

"He was a successful author and had a number of important books to his credit. His History of the United States has become a widely recognized and authoritative text-book and has a sale of over a million copies. In the Quaker field he was a sound and reliable authority and he was possessed of extensive knowledge of Quaker biography, history, faith and practice. He was recorded a minister in 1889,

HAVERFORD COLLEGE

and both before and since that date he took an important part in the spiritual service of the College and the Meeting which is so closely affiliated with the College.

"He had taste, refinement, broad human interests and profound religious experience and sympathies. He has been a unique personality in our College family and a helpful influence here for over forty years."

At the suggestion of the Alumni Council and upon nomination of the Faculty, the Board directed the President of the College to prepare a suitable certificate to be awarded to certain former students of the College who had enlisted in various forms of service connected with the Great War and who had been prevented from continuing their studies. At the last Commencement such a certificate, bearing the seal of the College and the signature of the President of the Corporation, the Secretary of the Board of Managers, and the President of the College, was awarded to twenty-four former students of Haverford College.

The curriculum at Haverford has probably been affected by the War less than that of many institutions of learning. It appears that our patronage is largely amongst conservative people who believe in the study of the traditional branches which have long been features of an Arts and Science course. The study of Latin is holding on fairly well at Haverford, though there is a tendency to the election of the Science course by entering students. The courses in French and Chemistry have probably been more directly affected by the War than any others. If the present popularity of these courses continues, it is likely that we shall soon require more assistance in the teaching of them.

From time to time suggestions are made that Haverford increase somewhat the scope of its curriculum. Among the subjects which have been suggested as suitable for cultivation at Haverford have been International Law,

PRESIDENT'S REPORT

History and Appreciation of Art, Pedagogy, Physical and Commercial Geography, and Business Law. Doubtless there is something to be said for all of these subjects, but I believe that Haverford will do well to go slowly in the multiplication of undergraduate courses. Many institutions which have pledged themselves to instruction in a wide range of subjects now find themselves financially embarrassed by the fulfilment of such a pledge. There is no question, however, that Haverford should put within the reach of its students some knowledge of painting, sculpture and architecture through some of the effective illustrative means which are now available in occasional lectures. I should not favor the inclusion of the History and Appreciation of Art as a course counting for a degree, but if the funds were forthcoming, we ought to provide lectures by competent persons upon the history of man's most striking artistic accomplishments. There is much also to be said for the study of International Law at Haverford. The Board of Managers has expressed its interest in this subject and its belief that the study of International Law and International Relations was an appropriate subject for our Faculty to present. It is probable that if the College were to receive funds for the establishment of a Chair of International Law we should find ourselves in a position to render a real service to the nation by preparing our students competently for State Department Examinations leading to appointments in the diplomatic or consular service.

The following lectures outside of the regular course have been given during the year:

Haverford Library Lectures:

"Religion as Comradeship," by Professor Theodore G. Soares, of
the University of Chicago.

Second month 10, 1921.

HAVERFORD COLLEGE

"Is Human Progress a Delusion?" by Professor Theodore G. Soares, of the University of Chicago.

Second month 11, 1921.

Other Lectures:

Song Recital for the Benefit of the Haverford College Endowment Fund, by David Bispham, of the Metropolitan Opera Company of New York.

Tenth month 28, 1920.

"Disarmament," by Mrs. Petrick Lawrence of England and Frau Yella Hertzka of Austria, under the auspices of the Women's Peace Society.

Tenth month 31, 1920.

"The Morals of the World's Crisis," by Mr. Lincoln Steffens.

Twelfth month 3, 1920.

"Conditions in Central and South Eastern Europe," by Herbert C. Hoover.

Twelfth month 15, 1920.

"The Problem of Coercion in Human Society," by Mr. Norman Angell.

Twelfth month 16, 1920.

"John Keats and Modern Poetry," by Professor Edward D. Snyder, of Haverford College.

Second month 23, 1921.

A Hampton Meeting. Singing of plantation songs by the Hampton Quartette and talk by Dr. James E. Gregg, Principal of Hampton Institute.

Third month 7, 1921.

"The Costumes of Greek Women," an illustrated lecture by Mr. Albert W. Barker.

Fourth month 19, 1921.

"With an Anthropologist in the Amazon Jungles," by Dr. William C. Farabee, President of the American Anthropological Society.

Fifth month 10, 1921.

PRESIDENT'S REPORT

Two Interclass Debates:

An extemporaneous debate between Sophomores and Freshmen, for the Everett Society Trophy, on the proposition: "*Resolved, That the College regulations concerning absences from classes should be materially changed.*"

A debate between Seniors and Juniors for the Alumni Prizes, on the proposition: "*Resolved, That immigration should be prohibited for a period of at least one year.*"

Commencement Day:

Commencement exercises in Roberts Hall, with address by Dr. John Alexander MacIntosh, Professor of Philosophy of Religion and Ethics, McCormick Theological Seminary, Chicago.

Sixth month 10, 1921.

Divers gifts have been received during the year from certain alumni and interested friends. The knowledge that these gifts are made gladly and readily is a great satisfaction, and makes easier many undertakings of a petty nature during the college year.

The Librarian reports as follows:

"During the year ending Ninth month 30th, 1921, there were added to the Library 3,578 volumes, of which 2,693 were bought, 668 were gifts and 217 were from the United States Government "on deposit;" 64 were withdrawn as lost or worn-out, making the total number of volumes at the above date 84,550.

"During the year 14,135 volumes were withdrawn for use outside of the building. Of this number 9,694 (including 1,216 "over-night" books) were withdrawn by students, 2,782 by members of the Faculty and others connected with the College, and 1,659 by alumni, neighbors and friends." During the past year a notice was sent to many neighbors of the College inviting them to make use of the College Library. The Librarian reports that this invitation has

HAVERFORD COLLEGE

resulted in an extended use of the Library as a convenience in our neighborhood, and that many new patrons have expressed their appreciation of the invitation and the privilege extended.

The report of the Infirmary for the year 1920-1921 is as follows:

The record of house patients is as follows:

Patients admitted.....	86
Total time (days).....	477

Diseases are classified as follows:

Grippe.....	16
Intestinal.....	4
Joint conditions.....	11
Pulmonary.....	11
Tonsillitis.....	7
Appendicitis.....	2
External infections.....	10
Operations.....	5
Miscellaneous general.....	20

The record of visits of dispensary patients:

Medical.....	723
Surgical.....	1,943
	<hr/>
	2,666

Conditions are classified as follows:

General.....	421
Upper respiratory.....	158
Fractures.....	2
Suture cases.....	6

The property of the College has been maintained in good condition during the year. The farm includes now only about eighty acres of tillable land and upon this have been raised satisfactory crops of corn, wheat, oats and hay. The farm, under the efficient management of R. J. Johnston, has

PRESIDENT'S REPORT

paid for itself. Considerable planting has been done about the campus with the support and co-operation of the Campus Club. Care of our lawns and fine shade trees during the summer months calls for a considerable outlay, but it is felt by all that the beauty of the campus is one of our strongest assets and that no price is too great to pay for the maintenance of the natural beauty of Haverford.

At the present time the township sewer is being run through that part of the College property which lies beyond Haverford Road and the Philadelphia and Western tracks. It will likely prove necessary in the near future for the College dormitories to be connected with the township system, as the present method of sewage disposal provided fifteen years ago on our own property proves no longer adequate for a much larger population. The two sources of water in the College spring and in the artesian well at the power house are also insufficient for our present needs. On occasion the Springfield Company water is drawn upon to make up our lack, and this suggests the necessity of increasing our regular supply from this source.

No large building operations have been in progress during the year, but the third floor of Founders Hall has now been entirely converted into rooms for students, and the College servants have been removed into very suitable quarters provided in what was formerly the chemical laboratory in the detached building back of Founders Hall. The total expense of these alterations, which constitute a permanent improvement, will be nearly \$5,000. The athletic fields, of which four are completed, have been well maintained and quite constantly used during the year. The field which was begun by the Emergency Unit in 1917 has never been finished to its full size. The completion of this field, which lies just

HAVERFORD COLLEGE

west of '88 field, is one of our most urgent needs. The present policy of the College to engage all of our students in practice for athletic teams makes the use of these outdoor fields most necessary, and suggests the construction of an athletic practice cage for certain sports in the rear of the gymnasium. The gymnasium is now much crowded by class requirements, and other institutions have anticipated us in satisfying requirements for a large indoor floor space where, during the winter, organized games can be played without interfering with class work. It is hoped that the construction of such a suitable cage may not be long postponed.

Amongst the needs of the College are the establishment of a fund for scientific equipment; the establishment of permanent professorships; funds for finishing our fifth athletic field and to construct a practice cage for indoor athletics; a special librarian for the Quaker collections in our Library, to keep Haverford's place as the richest depository and center of Quaker historical study in America.

For all these purposes, as well as for the foundation of memorial scholarships, the College needs new funds. The President will be happy at any time to discuss our needs with persons desiring to make provision by testament or donation for the pursuit of true scholarship by deserving young men.

PRESIDENT'S REPORT OF THE GRADUATE SCHOOL

The work of the Thomas Wistar Brown Graduate School of Haverford College was carried on during the past year on the lines of administration and instruction approved by the Board during the preceding year. Five resident students

PRESIDENT'S REPORT

were in attendance during the first term and four during the second term. The Master's Degree was awarded at Commencement to four candidates, representing Earlham, Wilmington and Penn colleges. Those who have attended the School during the first four years of its existence are occupied chiefly in teaching or in religious and social work in their respective communities.

This year has opened with seven resident students, who are taking the regular program, and four non-residents taking part time work, not leading to a degree. Guilford, Penn, Earlham, Wilmington, Nebraska Central, Wooster and Haverford College are represented in this number. Of these, six are men and five are women. Perhaps as the result of more publicity, more applications for scholarships were received than ever before, which in itself is an encouraging sign of our increased usefulness to our Society. Only those are received as students who have already obtained the Bachelor's Degree.

During the year the standing committee of the Board appointed to have care of the School held one meeting at the Graduate House, where, with the Professors engaged there, they were hospitably entertained at dinner and had an opportunity to meet all the students and to become somewhat acquainted with their personality. It is hoped that this opportunity may be repeated annually.

We are feeling our way in the conduct of this School and believe that in a few years we shall see clearly what its future development is likely to be.

PUBLICATIONS OF THE FACULTY

BABBITT, JAMES A.—*Athletic Number*, Haverford College Bulletin, Vol. XIX, No. 5, May, 1921.

BOLLES, ALBERT S.—*Putnam's Handy Law Book for the Layman*. G. P. Putnam's Sons, New York, 1921, 340 pp.

COMFORT, WILLIAM W.—*William Cowper and the Friends in England and America*. Bulletin of Friends' Historical Society, Vol. X, No. 1, pp. 2-11; No. 2. pp. 60-67.

Address to the Class of 1921. The Westonian, Vol. XXVII, No. 7, pp. 163-165.

Review of a Quaker Novel, Hannah Bye. The Nation, Vol. CXI, No. 2891, p. 621.

Teachers for the College. The Harvard Graduates' Magazine, Vol. XXIX, No. 114, pp. 209-211.

GRANT, ELIHU.—*The People of Palestine*. New and enlarged edition of *The Peasantry of Palestine*. J. B. Lippincott Company, Philadelphia, 1921, 20 pages of new material.

HINCHMAN, W. S.—*The Bible and The Classics as a Literary Background*, Bulletin No. 1 of College Conference on English, Jan., 1921.

Training for Citizenship, Review of "School Talks in Peace and War," J. H. Badley. The Weekly Review, Vol. V, No. 122, p. 239.

JONES, RUFUS M.—*The Later Periods of Quakerism*. Macmillan and Company, London, 1921, 2 vols.—1000 pages.

Psychology and the Spiritual Life. Journal of Religion, Vol. 1, No. 5, September, 1921, pp. 449-461.

PUBLICATIONS

The Religious Significance of Death. Friends' Quarterly Examiner, No. 216, October, 1920, pp. 350-361. Published as a booklet by Robert Davis, Harrogate, 1920, 14 pp.

War and the Mind of Jesus. The Christian Century, Vol. XXXVIII, No. 36, September 8, 1921, pp. 9-13.

A monthly article in the London Friend.

Two chapters of *At One with the Invisible*, ed. by Prof. Sneath, Macmillan Company, New York, 1921, pp. 199-212 and 249-259.

KELLY, JOHN A.—*England and the Englishman in German Literature of the 18th Century.* Columbia University Press, New York, 1921, pp. XVII and 156.

KELSEY, RAYNER W.—*History Teaching in Germany.* The Historical Outlook, Vol. XII, No. 5, May, 1921, pp. 153-157.

Philadelphia Tea-Party Letter—1773. Bulletin of Friends' Historical Society, Vol. X, No. 2, May, 1921, pp. 67-70.

The League of Nations—Its Future. The Friend, Philadelphia, Vol. 94, No. 32, February 3, 1921, pp. 377-378.

LUNT, WILLIAM E.—*Early Assessments for Papal Taxation of English Clerical Incomes.* Annual Report of the American Historical Association for the Year 1917, pub. 1920, pp. 265-280.

Review of N. Neilson's *A Terrier of Fleet, Lincolnshire.* American Historical Review, Vol. XXVI, No. 2, January, 1921, pp. 319-320.

Review of A. Tamaro's *La Vénétie Julienne et la Dalmatie.* The Geographical Review, January, 1921.

HAVERFORD COLLEGE

Review of A. Tardieu's *The Truth about the Treaty* and House and Seymour's *What Really Happened at Paris*. The American Political Science Review, Vol. XV, No. 3, August, 1921, pp. 437-39.

MELDRUM, W. BUELL—*The Existence of Tetrahydrated Sodium Sulfate in Mix-Crystals with Sodium Chromate*. Jour. Am. Chem. Soc., Vol. 43, July, 1921, pp. 1543-1544.

WATSON, FRANK D.—*Social Work*, pp. 196-198 in *Getting a Living: A Vocational Civics Text*, compiled and edited by J. Lynn Barnard, Franklin Publishing and Supply Co., Philadelphia, 1921.

Discussion of Relation of Women to Industry. Publications of the American Sociological Society, Vol. XV, 1920, pp. 160-162.

SUMMARY OF THE ACCOUNT OF

J. HENRY SCATTERGOOD, Treasurer of

THE CORPORATION OF HAVERFORD

COLLEGE

For the year ending Eighth month 31, 1921

RECEIPTS

Income from Funds for General Purposes:

General Endowment Fund.....	\$5,357.05	
John Farnum Memorial Fund.....	2,054.95	
John M. Whittall Fund.....	474.31	
David Scull Fund.....	2,027.02	
Edward L. Scull Fund.....	550.24	
Wistar Morris Memorial Fund.....	231.12	
Israel Franklin Whittall Fund.....	497.68	
Jacob P. Jones Endowment Fund.....	58,556.39	
John Farnum Brown Fund.....	11,834.24	
Ellen Waln Fund.....	515.03	
Clementine Cope Endowment Fund.....	1,089.53	
Nathan Branson Hill Fund.....	3.04	
Joseph E. Gillingham Fund.....	2,519.59	
Henry Norris Fund.....	237.18	
Elizabeth H. Farnum Fund.....	589.56	
James R. Magee Fund.....	422.72	
Albert K. Smiley Fund.....	44.81	
Walter D. and Edith M. L. Scull Fund. . .	8,021.75	
Hinchman Astronomical Fund.....	452.42	
Albin Garrett Memorial Fund.....	1,003.68	
Arnold Chase Scattergood Memorial Fund	1,249.50	
Francis B. Gummere Memorial Fund.....	5,613.67	
Isaac Sharpless Memorial Fund.....	2,441.55	
General Education Board Fund.....	6,250.00	
		\$112,037.03

*Income from Fund for Thomas Wistar Brown
Graduate School:*

Moses Brown Fund.....	16,931.26
Forward.....	\$128,968.29

HAVERFORD COLLEGE

Forward	\$128,968.29	
<i>Income from Funds for Morris Infirmary:</i>		
Infirmary Endowment Fund	\$460.58	
John W. Pinkham Fund	222.91	
		683.49
<i>Income from Fund for Haverford Union:</i>		
Haverford Union Fund		76.60
<i>Income from Funds for Scholarships:</i>		
Thomas P. Cope Fund	\$277.74	
Edward Yarnall Fund	240.20	
Isaiah V. Williamson Fund	1,112.27	
Richard T. Jones Scholarship Fund	276.67	
Mary M. Johnson Scholarship Fund	389.02	
Sarah Marshall Scholarship Fund	353.78	
Clementine Cope Fellowship Fund	1,258.65	
Isaac Thorne Johnson Scholarship Fund	247.28	
Caspar Wistar Memorial Scholarship Fund	245.00	
Walter Carroll Brinton Memorial Fund	99.51	
		4,500.12
<i>Income from Funds for the Library:</i>		
Alumni Library Fund	\$884.91	
Mary Farnum Brown Library Fund	3,533.58	
William H. Jenks Library Fund	263.79	
Mary Wistar Brown Williams Library Fund	902.39	
Anna Yarnall Fund	437.77	
F. B. Gummere Library Fund	25.53	
Edmund Morris Fergusson, Jr., Memorial Fund	41.91	
		6,089.88
<i>Income from Funds for Pensions:</i>		
President Sharpless Fund	\$2,252.65	
William P. Henszey Fund	1,796.28	
Jacob P. Jones Benefit Fund	3,469.08	
Pliny Earle Chase Memorial Fund	214.36	
Haverford College Pension Fund	2,805.19	
		10,537.56
Forward	\$150,855.94	

TREASURER'S REPORT

Forward.....	\$150,855.94
<i>Income from Funds for Special Purposes:</i>	
Thomas Shipley Fund.....	\$229.62
Elliston P. Morris Fund.....	46.85
John B. Garrett Reading Prize Fund.....	4.06
Special Endowment Fund.....	490.00
Elizabeth P. Smith Fund.....	45.40
Scholarship Improvement Prize Fund....	98.00
S. P. Lippincott History Prize Fund.....	98.00
Francis Stokes Fund.....	208.24
George Peirce Prize Fund.....	53.90
	<hr/>
	1,274.07
	<hr/>
Total Income from all the Funds.....	\$152,130.01
<i>Income from College Sources:</i>	
Board and Tuition:	
Cash.....	\$98,001.99
Scholarships and Fellowships	13,675.00
	<hr/>
	\$111,676.99
Board and Tuition, 1921-22.....	3,165.00
Infirmary.....	1,317.61
Union.....	403.56
Gymnasium and Athletics.....	1,116.35
Library.....	531.40
Board of Professors.....	805.00
Rents.....	5,111.48
Stationery.....	1,581.40
Skating Pond.....	372.45
Farm (net gain).....	118.39
	<hr/>
	126,199.63
<i>Receipts for Account of Previous Years.....</i>	1,571.17
<i>Income from College Lane Houses, applied to</i>	
<i>reduction of the College debt.....</i>	5,000.00
	<hr/>
Forward.....	\$284,900.81

HAVERFORD COLLEGE

Forward.....		\$284,900.81
<i>Donations:</i>		
For Isaac Sharpless Hall.....	\$376.47	
Isaac Sharpless Hall Equipment.....	1,525.00	
Isaac Sharpless Hall Equipment, Class of 1893 Fund.....	510.42	
Books from Class of 1900.....	119.04	
Periodicals in Library.....	10.00	
Scholarship.....	50.00	
New York State Scholarship, 1919-1920	50.00	
Prizes.....	130.00	
Extension Committee.....	41.00	
Cricket Coach.....	190.00	
Piano for Roberts Hall.....	439.85	
Salaries.....	500.00	
	<hr/>	3,941.78
<i>Additions to the Funds:</i>		
Walter Carroll Brinton Memorial Fund, donated (new).....	\$5,000.00	
Francis B. Gummere Memorial Fund, donated.....	30,814.50	
Isaac Sharpless Memorial Fund, donated..	104,718.35	
F. B. Gummere Library Fund, donated...	10.00	
Jacob P. Jones Endowment Fund, sale of land.....	1,865.50	
Anna Yarnall Fund, realization in invest- ments.....	280.00	
Walter D. and Edith M. L. Scull Fund, additions from Executor.....	40,309.06	
Edmund Morris Fergusson, Jr., Memorial Fund, donated.....	200.00	
	<hr/>	183,197.41
<i>Money Borrowed Temporarily.....</i>		395,900.00
		<hr/>
Forward.....		\$867,940.00

TREASURER'S REPORT

Forward.....		\$867,940.00
<i>Investments paid off:</i>		
General Endowment Fund.....	\$14,750.00	
Isaiah V. Williamson Fund.....	5,500.00	
John Farnum Memorial Fund.....	1,300.00	
Jacob P. Jones Endowment Fund.....	49,700.00	
Clementine Cope Fellowship Fund.....	5,000.00	
John Farnum Brown Fund.....	11,000.00	
Ellen Waln Fund.....	4,000.00	
Clementine Cope Endowment Fund.....	5,000.00	
Jacob P. Jones Benefit Fund.....	17,500.00	
William H. Jenks Library Fund.....	5,000.00	
Haverford College Pension Fund.....	3,500.00	
Mary Wistar Brown Williams Library Fund	1,000.00	
Anna Yarnall Fund.....	1,000.00	
	<hr/>	124,250.00
<i>Balances Eighth month 31, 1920:</i>		
In President's account.....	\$3,500.00	
In Treasurer's account.....	13,041.14	
	<hr/>	16,541.14
		<hr/>
		\$1,008,731.14
		<hr/> <hr/>

EXPENDITURES

Expenses of running the College:

Salaries.....	\$102,017.50
Provisions.....	37,354.96
Wages.....	23,610.13
Family Expenses and Furniture.....	8,144.43
Fuel and Lights (this is in addition to \$9,578.48 for coal bought in advance and paid for in the previous year).....	8,818.10
Lawn and Garden.....	6,028.16
Infirmary.....	2,262.40

Forward.....	<hr/> \$188,235.68
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HAVERFORD COLLEGE

Forward.....		\$188,235.68
Library.....	419.55	
Biological Laboratory.....	951.77	
Chemical Laboratory.....	178.99	
Physical Laboratory.....	501.65	
Machine Shop and Drawing Room.....	268.28	
Gymnasium and Athletics.....	6,955.50	
Printing and Advertising.....	2,298.44	
	<hr/>	\$199,809.86
Repairs and Improvements.....	\$12,012.37	
Alterations to President Comfort's house (completed).....	3,670.00	
	<hr/>	15,682.37
Interest.....	\$6,950.15	
Taxes.....	6,478.92	
Insurance.....	5,874.95	
Incidentals.....	761.65	
	<hr/>	20,065.67
<i>For Thomas Wistar Brown Graduate School:</i>		
Expenses other than salaries from income of Moses Brown Fund.....		6,443.99
		<hr/>
Total expenses of running the College.....		\$242,001.89
<i>For Scholarships and Fellowships:</i>		
From Income:		
General Endowment Fund.....	\$316.72	
Thomas P. Cope Fund.....	350.00	
Edward Yarnall Fund.....	200.00	
Isaiah V. Williamson Fund.....	683.28	
Richard T. Jones Scholarship Fund....	300.00	
Mary M. Johnson Scholarship Fund....	100.00	
Sarah Marshall Scholarship Fund.....	350.00	
Jacob P. Jones Endowment Fund.....	9,025.00	
Joseph E. Gillingham Fund.....	800.00	
	<hr/>	
Forward.....	\$12,125.00	\$242,001.89

TREASURER'S REPORT

Forward	\$12,125.00	\$242,001.89
Clementine Cope Fellowship Fund:		
One Fellowship at Harvard	500.00	
One Fellowship at Cambridge, England	500.00	
Teaching Fellowships at Haverford...	1,500.00	
Isaac Thorne Johnson Scholarship Fund	500.00	
Caspar Wistar Memorial Scholarship Fund.....	200.00	
Walter Carroll Brinton Memorial Fund.....	200.00	
	<hr/>	15,525.00

Expenditures from Library Funds:

Books, etc., from income Alumni Library Fund and donation.....	\$1,230.25	
Books, etc., from income Mary Farnum Brown Library Fund	3,835.38	
Lectures from income Mary Farnum Brown Library Fund	500.00	
Books, etc., from income William H. Jenks Library Fund	116.23	
Books, etc., from income Mary Wistar Brown Williams Library Fund.....	953.49	
Taxes from income Anna Yarnall Fund...	589.02	
Books, etc., from income W. D. and E. M. L. Scull Fund	662.02	
Books, etc., from income Edmund Morris Fergusson, Jr., Memorial Fund.....	41.00	
Books, etc., from income F. B. Gummere Library Fund	16.67	
	<hr/>	7,944.06

Pensions:

Annuity from income Pliny Earle Chase Memorial Fund.....	\$100.00	
Pensions.....	6,331.16	
	<hr/>	6,431.16
Forward		\$271,902.11

HAVERFORD COLLEGE

Forward.....		\$271,902.11
<i>Expenditures from Funds for Special Purposes:</i>		
Prizes from income of Scholarship Improvement Prize Fund.....	\$95.00	
Prizes from income of John Farnum Brown Fund.....	46.78	
Prize from income George Peirce Prize Fund	25.00	
Prize from income of Elizabeth P. Smith Fund.....	35.00	
Prize from income of S. P. Lippincott History Prize Fund.....	100.00	
Trees and Shrubs from income Francis Stokes Fund.....	273.45	
		<hr/> 575.23
<i>Paid out of Special Donations:</i>		
For Isaac Sharpless Hall Equipment....	\$758.40	
Extension Committee.....	310.83	
Prizes.....	96.21	
Books from Class of 1900 donation...	215.86	
Books from Special History donation.	27.32	
Books from Friends Historical Society donation.....	2.44	
New York State Scholarship.....	320.00	
Maryland State Scholarship.....	40.00	
Piano for Roberts Hall, on account...	308.24	
Scholarship.....	50.00	
		<hr/> 2,129.30
Coal purchased for account 1921-1922.....		7,487.13
Temporary Loans paid off, using funds awaiting investment.....		347,300.00
<i>Investments made or donated:</i>		
General Endowment Fund.....	\$7,268.75	
Edward Yarnall Fund.....	2,944.50	
Isaiah V. Williamson Fund.....	5,217.00	
		<hr/>
Forward.....	\$15,430.25	\$629,393.77

TREASURER'S REPORT

Forward.....	\$15,430.25	\$629,393.77
John Farnum Memorial Fund.....	1,103.00	
Mary Farnum Brown Library Fund.....	8,265.50	
Mary M. Johnson Scholarship Fund.....	551.50	
Sarah Marshall Scholarship Fund.....	500.00	
Jacob P. Jones Endowment Fund.....	110,573.00	
Clementine Cope Fellowship Fund.....	5,215.00	
John Farnum Brown Fund.....	13,966.25	
Ellen Waln Fund.....	4,001.50	
Clementine Cope Endowment Fund.....	4,725.00	
President Sharpless Fund.....	4,500.00	
Jacob P. Jones Benefit Fund.....	17,366.50	
William H. Jenks Library Fund.....	4,245.00	
Haverford College Pension Fund.....	4,320.00	
Mary Wistar Brown Williams Library Fund	929.00	
Moses Brown Fund.....	2,149.75	
Anna Yarnall Fund.....	1,742.50	
Walter D. and Edith M. L. Scull Fund...	17,939.20	
Albin Garrett Memorial Fund.....	24,654.00	
Walter Carroll Brinton Memorial Fund...	4,907.50	
Francis B. Gummere Memorial Fund.....	29,251.75	
Isaac Sharpless Memorial Fund.....	96,079.75	
		<hr/>
		372,415.95
<i>Balances Eighth month 31, 1921:</i>		
In President's account.....	\$6,500.00	
In Treasurer's account.....	421.42	
		<hr/>
		6,921.42
		<hr/>
		\$1,008,731.14
		<hr/> <hr/>

FINANCIAL STATEMENT

For the year ending Eighth month 31, 1921

Expenses of running the College, as per the foregoing statement of the Treasurer.....	\$242,011.89
Coal for 1920-1921, bought last year in advance.....	9,578.48
	<hr/> \$251,580.37
Net cash receipts for board and tuition, rents, and from all other sources connected with the business of the College.....	112,434.63
	<hr/>
Leaving a deficiency of.....	\$139,145.74
Income from investments and donations applicable to Scholarships and running expenses.....	126,608.40
	<hr/>
Net deficiency for the year.....	<u><u>\$12,537.34</u></u>

STATEMENT OF DEBT

The debt of the Corporation Eighth month 31, 1920, was.	\$145,730.44
It has been increased during the year:	
By deficiency as per financial statement....	\$12,537.34
By deficiency of donations for Isaac Sharpless Hall charged off.....	6,561.00
	<hr/> 19,098.34
	<hr/>
	\$164,828.78
It has been reduced during the year:	
By receipts on account of previous years....	\$1,621.17
By balance of donations for Lloyd Hall transferred to reduce debt for same.....	2,265.46
By Sinking Fund payments from income of College Lane houses.....	5,000.00
	<hr/> 8,886.63
	<hr/>
Making the debt Eighth month 31, 1921.....	\$155,942.15

TREASURER'S REPORT

Due as follows:

On demand loans	\$48,600.00
Net amount due the Funds	107,342.15
	<hr/> \$155,942.15

The above debt was incurred as follows:

For double dwelling on College Lane	14,500.00
“Leavenworth House” on College Avenue	1,750.00
Steam heating plant and underground conduits	12,615.49
Lloyd Hall	14,087.84
Merion Cottage	15,259.91
Three houses for Professors on College Avenue	22,991.75
Alterations to President Comfort's house	6,000.00
Isaac Sharpless Hall	6,561.00
Deficit in College work less receipts from right of way, and Sinking Fund (\$11,200)	62,176.16
	<hr/> \$155,942.15

being \$10,211.71 more than reported one year ago.

REPORT ON EACH FUND

GENERAL ENDOWMENT FUND

Established 1847, and increased from time to time since

Par value of invested funds.....	\$99,300.00
Principal uninvested.....	11,225.02
<hr/>	
Total fund.....	\$110,525.02
Income received during the year.....	5,357.05
Paid for general College expenses.....	\$5,040.33
Paid for Scholarships.....	316.72
<hr/>	
	5,357.05

JOHN FARNUM MEMORIAL FUND

Established 1878, and increased by Legacy of Elizabeth H. Farnum in 1899

Par value of invested funds.....	\$43,000.00
Principal uninvested.....	229.73
<hr/>	
Total fund.....	\$43,229.73
Income received during the year.....	2,054.95
Paid toward support of Chair endowed by this fund.....	2,054.95

JOHN M. WHITALL FUND

Founded in 1880

Par value of invested funds.....	\$11,000.00
Principal uninvested.....	12.59
<hr/>	
Total fund.....	\$11,012.59
Income received during the year.....	474.31
Appropriated for salaries.....	474.31

DAVID SCULL FUND

Founded 1885

Par value of invested funds.....	\$48,200.00
Principal uninvested.....	154.84
<hr/>	
Total fund.....	\$48,354.84
Income received during the year.....	2,027.02
Appropriated for salaries.....	2,027.02

TREASURER'S REPORT

EDWARD L. SCULL FUND

Founded 1885

Par value of invested funds.....	\$12,100.00
Principal uninvested.....	289.63
<hr/>	
Total fund.....	\$12,389.63
Income received during the year.....	550.24
Appropriated for salaries.....	550.24

WISTAR MORRIS MEMORIAL FUND

Founded 1892

Par value of invested funds.....	\$5,000.00
Principal uninvested.....	261.74
<hr/>	
Total fund.....	\$5,261.74
Income received during the year.....	231.12
Appropriated for salaries.....	231.12

ISRAEL FRANKLIN WHITALL FUND

Founded 1896

Par value of invested funds.....	\$12,500.00
Amount uninvested.....	310.17
<hr/>	
Total fund.....	\$12,810.17
Income received during the year.....	497.68
Appropriated for salaries.....	497.68

JACOB P. JONES ENDOWMENT FUND

Founded 1897

Par value of invested funds.....	\$1,069,750.00
Amount uninvested.....	24,331.43
<hr/>	
Total fund.....	\$1,094,081.43
Income received during the year.....	58,556.39
Appropriated for scholarships.....	\$9,025.00
Appropriated for general expenses.....	46,003.04
Spent for taxes and water rent.....	3,528.35
<hr/>	
	58,556.39

This fund also owns 12.292 acres of land in West Philadelphia.

HAVERFORD COLLEGE

JOHN FARNUM BROWN FUND FOR THE STUDY OF THE BIBLE, BIBLICAL HISTORY AND LITERATURE, PHILOSOPHY AND KINDRED SUBJECTS

Founded 1900 and increased later

Par value of invested funds.....	\$287,000.00
Amount uninvested.....	1,893.21

Total fund.....	\$288,893.21
Income received during the year.....	11,834.24
Income appropriated for salaries.....	\$10,500.00
Income paid for prizes.....	46.78
Income transferred to principal.....	1,287.46
	11,834.24

ELLEN WALN FUND

Founded 1900

Par value of invested funds.....	\$12,000.00
Amount uninvested.....	238.10

Total fund.....	\$12,238.10
Income received during the year.....	515.03
Income appropriated for general expenses.....	515.03

CLEMENTINE COPE ENDOWMENT FUND

Founded 1904

Par value of invested funds.....	\$31,000.00
Amount uninvested.....	383.75

Total fund.....	\$31,383.75
Income received during the year.....	1,089.53
Income appropriated for general expenses.....	1,089.53

NATHAN BRANSON HILL TRUST

*Fund established in 1904, held in Trust by Minneapolis Trust Company,
Minneapolis, Minn.*

Income received during the year.....	\$3.04
Income appropriated for general expenses.....	3.04

TREASURER'S REPORT

JOSEPH E. GILLINGHAM FUND

Founded 1907

Par value of invested funds.....	\$54,000.00
Amount uninvested.....	61.39
<hr/>	
Total fund.....	\$54,061.39
Income received during the year.....	2,519.59
Income appropriated for scholarships.....	\$800.00
Income appropriated for general expenses....	1,719.59
<hr/>	
	2,519.59

HENRY NORRIS FUND

Founded 1907

Par value of invested funds.....	\$6,000.00
Amount uninvested.....	48.70
<hr/>	
* Total fund.....	\$6,048.70
Income received during the year.....	237.18
Income appropriated for general expenses.....	237.18

ELIZABETH H. FARNUM FUND

Founded 1891

The principal of this Fund is held in trust by The Provident Life and Trust Company of Philadelphia. The first income accrued to the College in 1914.

Par value of invested funds.....	\$10,000.00
Amount uninvested.....	220.00
<hr/>	
Total fund.....	\$10,220.00
Income received during the year.....	589.56
Income appropriated for general expenses.....	589.56

JAMES R. MAGEE FUND

Founded 1915

Par value of invested funds.....	\$10,500.00
Principal uninvested.....	274.37
<hr/>	
Total fund.....	\$10,774.37
Income received during the year.....	422.72
Income appropriated for general expenses.....	422.72

HAVERFORD COLLEGE

ALBERT K. SMILEY FUND

Founded 1915

Par value of invested funds.....	\$1,000.00
Principal uninvested.....	17.50
	<hr/>
Total fund.....	\$1,017.50
Income received during the year.....	44.81
Income appropriated for general expenses.....	44.81

THE HINCHMAN ASTRONOMICAL FUND

Founded 1917

Par value of invested funds.....	\$11,000.00
Amount uninvested.....	40.10
	<hr/>
Total fund.....	\$11,040.10
Income received during the year.....	452.42
Income appropriated for salary of Astronomical professorship.....	452.42

WALTER D. AND EDITH M. L. SCULL FUND

Founded 1918 by legacies from Walter D. and Edith M. L. Scull

Par value of invested funds.....	\$93,485.00
Amount uninvested.....	40,042.97
	<hr/>
Total fund.....	\$133,527.97
Income on hand at beginning of year.....	\$1,266.25
Income received during the year.....	8,021.75
	<hr/>
	9,288.00
Appropriated for salary and books, etc..	6,662.02
	<hr/>
Balance of income on hand.....	\$2,625.98

ALBIN GARRETT MEMORIAL FUND

Founded 1919

Par value of invested funds.....	\$36,000.00
Amount uninvested.....	346.00
	<hr/>
Total fund.....	\$36,346.00
Income received during the year.....	1,003.68
Income appropriated for general purposes.....	1,003.68

TREASURER'S REPORT

ARNOLD CHASE SCATTERGOOD MEMORIAL FUND

Founded 1919

Par value of invested funds.....	\$30,000.00
Income received during the year	1,249.50
Income appropriated for salaries.....	1,249.50

FRANCIS B. GUMMERE MEMORIAL FUND

Founded 1920

Par value of invested funds.....	\$134,760.00
Principal uninvested.....	3,093.25
<hr/>	
Total fund.....	\$137,853.25
Income received during the year	5,613.67
Appropriated for salaries.....	5,613.67

ISAAC SHARPLESS MEMORIAL FUND

Founded 1920

Par value of invested funds.....	\$117,165.00
Principal uninvested.....	12,236.88
<hr/>	
Total fund.....	\$129,401.88
Income received during the year	2,441.55
Appropriated for salaries.....	2,441.55

GENERAL EDUCATION BOARD FUND

In 1920 the General Education Board appropriated \$125,000 to Haverford toward the campaign for \$500,000 increase of Endowment Funds. The principal has not yet been turned over to the Corporation.

Income received from the General Education Board.....	\$6,250.00
Appropriated for salaries.....	6,250.00

MOSES BROWN FUND

Trust founded by T. Wistar Brown in 1906 and transferred to the College in 1916

Par value of invested funds.....	\$399,000.00
Amount uninvested.....	4,108.86
<hr/>	
Total fund.....	\$403,108.86

HAVERFORD COLLEGE

Income received during the year	\$16,931.26
Income appropriated for salaries	\$6,500.00
Income appropriated for School of Oriental Research.....	100.00
Income appropriated for traveling expenses ..	150.00
Income appropriated for rent.	1,650.00
Income appropriated for scholarships.	487.50
Income appropriated for household expenses..	3,905.29
Income appropriated for printing and adver- tising.....	151.20
<hr/>	
Total expenditures.....	\$12,943.99
Transferred to principal.....	3,987.27
<hr/>	
	\$16,931.26

INFIRMARY ENDOWMENT FUND

Founded 1911

Par value of invested funds.....	\$9,750.00
Amount uninvested.....	.94
<hr/>	
Total fund.....	\$9,750.94
Income received during the year.....	460.58
Income appropriated to maintenance of Infirmary.....	460.58

JOHN W. PINKHAM FUND

Founded 1911

Par value of invested funds.....	\$5,000.00
Amount uninvested.....	59.50
<hr/>	
Total fund.....	\$5,059.50
Income received during the year.....	222.91
Income appropriated to maintenance of Infirmary.....	222.91

HAVERFORD UNION FUND

Founded 1920

Par value of invested funds.....	\$1,000.00
Principal uninvested.....	678.59
<hr/>	
Total fund.....	\$1,678.59
Income received during the year.....	76.60
Income appropriated to maintenance of the Union.....	76.60

TREASURER'S REPORT

THOMAS P. COPE FUND

Founded 1842

Par value of invested funds	\$6,000.00
Principal uninvested	142.69
	<hr/>
Total fund	\$6,142.69
Income on hand at beginning of the year	\$110.74
Income received during the year	277.74
	<hr/>
	388.48
Income appropriated for two Thomas P. Cope Scholarships	350.00
	<hr/>
Income on hand at end of year	\$38.48

EDWARD YARNALL FUND

Founded 1860

Par value of invested funds	\$6,500.00
Principal uninvested	110.10
	<hr/>
Total fund	\$6,610.10
Income received during the year	240.20
Income overspent at beginning of year	\$27.86
Income appropriated for Edward Yarnall Scholarship	200.00
	<hr/>
	227.86
	<hr/>
Income on hand at end of year	\$12.34

ISAIAH V. WILLIAMSON FUND

Founded 1876 and increased 1883

Par value of invested funds	\$22,800.00
Principal uninvested	480.38
	<hr/>
Total fund	\$23,280.38
Income received during the year	1,112.27
Income overspent at beginning of year	\$428.99
Income appropriated for two I. V. Williamson Scholarships	683.28
	<hr/>
	1,112.27

HAVERFORD COLLEGE

RICHARD T. JONES SCHOLARSHIP FUND

Founded by Will of Jacob P. Jones, 1885

Par value of invested funds.....	\$5,000.00	
Principal uninvested.....	56.25	
		<hr/>
Total fund.....		\$5,056.25
Income on hand at beginning of year.....	\$46.07	
Income received during the year.....	276.67	
		<hr/>
		322.74
Paid for two Richard T. Jones Scholarships.....		300.00
		<hr/>
Income on hand at end of year.....		\$22.74

MARY M. JOHNSON SCHOLARSHIP FUND

Founded 1897

Par value of invested funds.....	\$9,000.00	
Amount uninvested.....	53.35	
		<hr/>
Total fund.....		\$9,053.35
Income received during the year.....		389.02
Income overspent at beginning of year.....	\$133.09	
Income appropriated for Mary M. Johnson Scholarship.....	100.00	
		<hr/>
		233.09
		<hr/>
Income on hand at end of year.....		\$155.93

SARAH MARSHALL SCHOLARSHIP FUND

Founded 1897

Par value of invested funds.....	\$8,000.00	
Amount uninvested.....	19.99	
		<hr/>
Total fund.....		\$8,019.99
Income on hand at beginning of the year....	\$25.43	
Income received during the year.....	353.78	
		<hr/>
		379.21
Paid for Sarah Marshall Scholarships.....		350.00
		<hr/>
Income on hand at end of the year.....		\$29.21

TREASURER'S REPORT

CLEMENTINE COPE FELLOWSHIP FUND

Founded 1899

Par value of invested funds.....	\$27,100.00
Amount uninvested.....	302.93

Total fund.....	\$27,402.93
Income on hand at beginning of the year....	\$1,802.20
Income received during the year.....	1,258.65

3,060.85

Income appropriated for Clementine Cope Fellowships:

One at Cambridge, England.....	\$500.00
One at Harvard.....	500.00

Teaching Fellowships at Haverford:

Two in 1917-1918.....	\$600.00
One in 1919-1920.....	300.00
Two in 1920-1921.....	600.00

1,500.00

2,500.00

Income on hand at end of year.....	\$560.85
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ISAAC THORNE JOHNSON SCHOLARSHIP FUND

Founded 1916

Par value of invested funds.....	\$5,000.00
Amount uninvested.....	56.25

Total fund.....	\$5,056.25
Income on hand at beginning of year.....	\$751.15
Income received during the year.....	247.28

998.43

Income appropriated for four Isaac Thorne Johnson

Scholarships	500.00
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Income on hand at end of year.....	\$498.43
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HAVERFORD COLLEGE

CASPAR WISTAR MEMORIAL SCHOLARSHIP FUND

Founded 1920

Par value of invested funds.....	\$5,000.00
Income received during the year.....	245.00
Income appropriated for Caspar Wistar Memorial Scholarship.....	200.00
	<hr/>
Income on hand at end of year.....	\$45.00

WALTER CARROLL BRINTON MEMORIAL FUND

Founded 1920. This fund is new this year

Par value of invested funds.....	\$5,000.00
Principal uninvested.....	92.50
	<hr/>
Total fund.....	\$5,092.50
Income appropriated for Walter Carroll Brinton Scholarship.....	\$200.00
Income received during the year.....	99.51
	<hr/>
Income overspent at end of year.....	\$100.49

ALUMNI LIBRARY FUND

Established by the Alumni Association, 1863

Par value of invested funds.....	\$18,550.00
Principal uninvested.....	669.78
	<hr/>
Total fund.....	\$19,219.78
Income overspent at beginning of year.....	\$10.01
Appropriated for books, etc.....	1,230.25
Appropriated for books to refund Donations Account overspent.....	1.52
	<hr/>
	1,241.78
Income received during the year.....	\$884.91
Special donation for the Library.....	10.00
	<hr/>
	894.91
	<hr/>
Income overspent at end of year.....	\$346.87

TREASURER'S REPORT

MARY FARNUM BROWN LIBRARY FUND

Founded 1892

Par value invested funds.....	\$95,000.00	
Amount uninvested.....	320.69	
		<hr/>
Total fund.....	\$95,320.69	
Income appropriated for books, etc.....	\$3,835.38	
Income appropriated for lectures.....	500.00	
		<hr/>
	4,335.38	
Income received during the year.....	3,533.58	
		<hr/>
Income overspent at end of year.....	\$801.80	

WILLIAM H. JENKS LIBRARY FUND

Founded 1910

Par value of invested funds.....	\$5,000.00	
Principal uninvested.....	755.00	
		<hr/>
Total fund.....	\$5,755.00	
Par value of fund, all invested.....	5,000.00	
Income on hand at beginning of the year....	\$117.81	
Income received during the year.....	263.79	
		<hr/>
	381.60	
Income used for purchase of books, etc.....	116.23	
		<hr/>
Income on hand at end of year.....	\$265.37	

MARY WISTAR BROWN WILLIAMS LIBRARY FUND

Founded 1914

Par value of invested funds.....	\$20,000.00	
Amount uninvested.....	321.74	
		<hr/>
Total fund.....	\$20,321.74	
Income on hand at beginning of year.....	\$108.42	
Income received during the year.....	902.39	
		<hr/>
	1,010.81	
Income appropriated for books, etc.....	953.49	
		<hr/>
Income on hand at end of year.....	\$57.32	

HAVERFORD COLLEGE

ANNA YARNALL FUND

Founded 1916

Par value of invested funds.....	\$9,000.00
Amount uninvested.....	525.78
<hr/>	
Total fund.....	\$9,525.78
Income on hand at beginning of year.....	\$257.73
Income received during year.....	437.77
<hr/>	
	695.50
Paid toward taxes, etc.....	589.02
<hr/>	
Income on hand at end of year.....	\$106.48
This fund also owns one-half interest in seventy-three acres in Delaware County, Pennsylvania.	

F. B. GUMMERE LIBRARY FUND

Founded 1920

Principal uninvested.....	\$635.47
Income received during the year.....	25.53
Income appropriated for books.....	16.67
<hr/>	
Income on hand at end of year.....	\$8.86

EDMUND MORRIS FERGUSON JR. CLASS OF 1920 MEMORIAL FUND

Founded 1920

Par value of invested funds.....	\$300.00
Amount uninvested.....	700.00
<hr/>	
Total fund.....	\$1,000.00
Income received during the year.....	41.91
Income appropriated for books.....	41.00
<hr/>	
Income on hand at end of year.....	\$0.91

TREASURER'S REPORT

PRESIDENT SHARPLESS FUND

Founded 1907

Par value of invested funds.....	\$45,500.00
Amount uninvested.....	351.16
<hr/>	
Total fund.....	\$45,851.16
Income received during year.....	2,252.65
Income transferred to Haverford College Pension Fund	
Income.....	2,252.65

WILLIAM P. HENSZEY FUND

Founded 1908 by gift. Increased 1909 by legacy

Par value of invested funds.....	\$36,500.00
Principal uninvested.....	192.16
<hr/>	
Total fund.....	\$36,692.16
Income received during the year.....	1,796.28
Income transferred to Haverford College Pension Fund	
Income.....	1,796.28

JACOB P. JONES BENEFIT FUND

*Founded 1909 from proceeds of land sold for account Jacob P. Jones
Legacy*

Par value of invested funds.....	\$68,950.00
Amount uninvested.....	729.74
<hr/>	
Total fund.....	\$69,679.74
Income received during the year.....	3,469.08
Income transferred to Haverford College Pension Fund	
Income.....	3,469.08

PLINY EARLE CHASE MEMORIAL FUND

Founded 1909

Par value of invested funds.....	\$4,300.00
Amount uninvested.....	90.24
<hr/>	
Total fund.....	\$4,390.24

HAVERFORD COLLEGE

Income received during the year.....	\$214.36
Income paid to annuitant.....	\$100.00
Income transferred to Haverford College	
Pension Fund Income.....	114.36
	214.36

HAVERFORD COLLEGE PENSION FUND

*Founded 1910 and added to since from accumulations of unused Income
from the different Pension Funds*

Par value of invested funds.....	\$62,600.00
Principal uninvested.....	5,241.50
	\$67,841.50
Total fund.....	
Income received during the year.....	\$2,805.19
Income transferred from other Pension Funds	7,632.37
	10,437.56
Appropriated for pensions.....	\$6,331.16
Income added to principal.....	4,106.40
	\$10,437.56

THOMAS SHIPLEY FUND

Founded 1904

Par value of invested funds.....	\$5,000.00
Amount uninvested.....	225.00
	\$5,225.00
Total fund.....	
Income on hand at beginning of the year....	\$144.26
Income received during the year.....	229.62
	373.88
Income on hand at end of year.....	373.88

ELLISTON P. MORRIS FUND

Founded 1906

Par value of invested funds.....	\$1,000.00
Amount uninvested.....	188.75
	\$1,188.75
Total fund.....	

TREASURER'S REPORT

Income on hand at beginning of year.....	\$279.98
Income received during the year.....	46.85
	<hr/>
Income on hand at end of the year.....	\$326.83

JOHN B. GARRETT READING PRIZE FUND

Founded 1908

Par value of invested funds, less paid on account (all in default).....	\$1,900.00
Amount uninvested.....	100.00
	<hr/>
Total fund.....	\$2,000.00
Income on hand at beginning of year.....	\$4.07
Income received during the year.....	4.06
	<hr/>
Income on hand at end of the year.....	\$8.13

SPECIAL ENDOWMENT FUND

Founded 1909

Par value of funds, all invested.....	\$12,000.00
Income on hand at beginning of the year....	\$503.21
Income received during the year.....	490.00
	<hr/>
Income on hand at end of year.....	993.21

SCHOLARSHIP IMPROVEMENT PRIZE FUND

Founded 1913

Par value of funds, all invested.....	\$2,000.00
Income on hand at beginning of the year....	\$15.00
Income received during the year.....	98.00
	<hr/>
	113.00
Income appropriated for prizes.....	95.00
	<hr/>
Income on hand at end of the year.....	\$18.00

HAVERFORD COLLEGE

ELIZABETH P. SMITH FUND

Founded 1915

Par value of invested funds.....	\$1,000.00
Principal uninvested.....	32.00
	<hr/>
Total fund.....	\$1,032.00
Income on hand at beginning of the year....	\$208.33
Income received during the year.....	45.40
	<hr/>
	253.73
Income appropriated for prize.....	35.00
	<hr/>
Income on hand at end of the year.....	\$218.73

S. P. LIPPINCOTT HISTORY PRIZE FUND

Founded 1917

Par value of funds, all invested.....	\$2,500.00
Income on hand at beginning of year.....	\$143.00
Income received during year.....	98.00
	<hr/>
	241.00
Income appropriated for prize.....	100.00
	<hr/>
Income on hand at end of year.....	\$141.00

FRANCIS STOKES FUND

Founded 1919

Par value of invested funds.....	\$5,000.00
Income on hand at beginning of year.....	\$168.22
Income received during the year.....	208.24
	<hr/>
	376.46
Appropriated for trees and shrubs on the College lawn....	273.45
	<hr/>
Income on hand at end of year.....	\$103.01

GEORGE PEIRCE PRIZE FUND

Founded in 1919. Increased in 1920

Par value of invested funds.....	\$1,000.00
Income on hand at beginning of year.....	\$1.95
Income received during the year.....	53.90
	<hr/>
	55.85
Appropriated for George Peirce Prize.....	25.00
	<hr/>
Income on hand at end of year.....	\$30.85

SUMMARY OF THE FUNDS

Funds for General College Purposes:

General Endowment Fund	\$110,525.02	
John Farnum Memorial Fund	43,229.73	
John M. Whitall Fund	11,012.59	
David Scull Fund	48,354.84	
Edward L. Scull Fund	12,389.63	
Wistar Morris Memorial Fund	5,261.74	
Israel Franklin Whitall Fund	12,810.17	
Jacob P. Jones Endowment Fund	1,094,081.43	
John Farnum Brown Fund	288,893.21	
Ellen Wain Fund	12,238.10	
Clementine Cope Endowment Fund	31,383.75	
Joseph E. Gillingham Fund	54,061.39	
Henry Norris Fund	6,048.70	
Elizabeth H. Farnum Fund	10,220.00	
James R. Magee Fund	10,774.37	
Albert K. Smiley Fund	1,017.50	
Hinchman Astronomical Fund	11,040.10	
Walter D. and Edith M. L. Scull Fund ..	133,527.97	
Albin Garrett Memorial Fund	36,346.00	
Arnold Chase Scattergood Memorial Fund	30,000.00	
Francis B. Gummere Memorial Fund	137,853.25	
Isaac Sharpless Memorial Fund	129,401.88	
		\$2,230,471.37

Fund for Thomas Wistar Brown Graduate School:

Moses Brown Fund	403,108.86
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Funds for Morris Infirmary:

Infirmary Endowment Fund	\$9,750.94	
John W. Pinkham Fund	5,059.50	
		14,810.44

Fund for the Union:

Haverford Union Fund	1,678.59
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\$2,650,069.26

HAVERFORD COLLEGE

Forward	\$2,650,069.26	
<i>Funds for Scholarships:</i>		
Thomas P. Cope Fund	\$6,142.69	
Edward Yarnall Fund	6,610.10	
Isaiah V. Williamson Fund	23,280.38	
Richard T. Jones Scholarship Fund	5,056.25	
Mary M. Johnson Scholarship Fund	9,053.35	
Sarah Marshall Scholarship Fund	8,019.99	
Clementine Cope Fellowship Fund	27,402.93	
Isaac Thorne Johnson Scholarship Fund	5,056.25	
Caspar Wistar Memorial Scholarship Fund	5,000.00	
Walter Carroll Brinton Memorial Fund	5,092.50	
		100,714.44
<i>Funds for the Library:</i>		
Alumni Library Fund	\$19,219.78	
Mary Farnum Brown Library Fund	95,320.69	
William H. Jenks Library Fund	5,755.00	
Mary Wistar Brown Williams Library Fund	20,321.74	
Anna Yarnall Fund	9,525.78	
F. B. Gummere Library Fund	635.47	
Edmund Morris Fergusson, Jr., Memorial Fund	1,000.00	
		151,778.46
<i>Funds for Pensions:</i>		
President Sharpless Fund	\$45,851.16	
William P. Henszey Fund	36,692.16	
Jacob P. Jones Benefit Fund	69,679.74	
Pliny Earle Chase Memorial Fund	4,390.24	
Haverford College Pension Fund	67,841.50	
		224,454.80
<i>Funds for Special Purposes:</i>		
Thomas Shipley Fund	\$5,225.00	
Elliston P. Morris Fund	1,188.75	
John B. Garrett Reading Prize Fund	2,000.00	
Forward	\$8,413.75	\$3,127,016.96

TREASURER'S REPORT

Forward.....	\$8,413.75	\$3,127,016.96
Special Endowment Fund.....	12,000.00	
Elizabeth P. Smith Fund.....	1,032.00	
Scholarship Improvement Prize Fund...	2,000.00	
S. P. Lippincott History Prize Fund.....	2,500.00	
Francis Stokes Fund.....	5,000.00	
George Peirce Prize Fund.....	1,000.00	
		<hr/>
		31,945.75

Total par value of all the Funds.....\$3,158,962.71

being \$271,737.59 more than reported one year ago as follows:

By additional cash and securities received from Executor to Walter D. and Edith M. L. Scull Fund.....	\$40,286.06	
By additional donation from Mr. and Mrs. E. Morris Fergusson to the Edmund Morris Fergusson, Jr., Memorial Fund	200.00	
By additional donation to the F. B. Gum- mere Library Fund.....	10.00	
By donation from the family of W. Carroll Brinton, 1915, to found the Walter Carroll Brinton Memorial Fund.....	5,000.00	
By donations from Alumni and Friends of Haverford to the Francis B. Gummere Memorial Fund.....	30,814.50	
By donations from Alumni and Friends of Haverford to the Isaac Sharpless Memo- rial Fund.....	104,718.35	
		<hr/>
		\$181,028.91

Gains:

Gain from realizations of investments:		
Anna Yarnall Fund.....	\$280.00	
Walter D. and Edith M. L. Scull Fund	23.00	
		<hr/>
		303.00
Sale of land belonging to Jacob P. Jones Endowment Fund.....		1,865.50
		<hr/>
Forward.....		\$183,197.41

HAVERFORD COLLEGE

Forward.....		\$183,197.41
Income credited to Principal:		
John Farnum Brown Fund.....	\$1,287.46	
Moses Brown Fund.....	3,987.27	
Haverford College Pension Fund.....	4,106.40	
		9,381.13
Difference between cost and par of securities bought and sold.....		79,159.05
		\$271,737.59

AUDIT

We have examined the cash book and accounts of J. Henry Scattergood, Treasurer of the Corporation of Haverford College, for the year ending Eighth month 31, 1921, and find them to agree with the statement of receipts and payments shown in the foregoing account.

We have compared the payments made with vouchers and receipts for all disbursements and find same to be correct.

The cash balance at the end of the fiscal year in the hands of the Treasurer was \$421.42, and the balance to be accounted for by the President \$6,500.00 as stated.

(Signed) EDWARD W. EVANS,

(Signed) GEORGE VAUX, JR.,

Auditing Committee.

Philadelphia, Tenth month 11, 1921.

We have examined the securities belonging to the Corporation of Haverford College, Eighth month 31, 1921, and find them to agree with the foregoing statement of the Treasurer.

(Signed) JONATHAN M. STEERE,

(Signed) ARTHUR H. THOMAS,

Auditing Committee.

Philadelphia, Tenth month 6, 1921.

DONATIONS

For the year ending Eighth month 31, 1921

Isaac Sharpless Hall:

Dr. Thomas F. Branson.....	\$376.47
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Isaac Sharpless Hall Equipment:

Class of 1907.....	\$900.00
C. R. Hinchman.....	25.00
Francis R. Strawbridge.....	200.00
George Thomas, 3d.....	50.00
Walter Wood.....	350.00
	1,525.00

Isaac Sharpless Hall Equipment:

Class of 1893 Fund.....	510.42
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For Books:

Class of 1900.....	119.04
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For the Library:

John B. Garrett.....	10.00
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For Scholarships:

John B. Garrett, for special scholarship.....	50.00
New York State Scholarship, 1919-1920.....	50.00

For Prizes:

Class of 1902.....	\$20.00
Class of 1896.....	20.00
Class of 1898.....	20.00
Founders Club.....	50.00
L. W. Reid.....	20.00
	130.00

For Extension Committee's Work:

Alumni Association.....	41.00
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Forward.....	\$2,811.93
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HAVERFORD COLLEGE

Forward.....	\$2,811.93
<i>For Cricket Coach:</i>	
A. F. Coca.....	\$5.00
A. M. Collins.....	10.00
L. W. DeMotte.....	10.00
C. R. Hinchman.....	10.00
W. S. Hinchman.....	10.00
A. H. Hopkins.....	10.00
C. H. Howson.....	10.00
C. C. Morris.....	20.00
H. H. Morris.....	20.00
E. C. Peirce.....	5.00
Elias Ritts.....	10.00
H. Pleasants, Jr.....	10.00
A. G. Scattergood.....	20.00
J. Henry Scattergood.....	20.00
A. C. Thomas.....	10.00
A. C. Wood, Jr.....	10.00
	190.00
<i>For Piano—Roberts Hall:</i>	
Class of 1924.....	439.85
<i>For Salaries:</i>	
A. F. Huston.....	500.00
	\$3,941.78

DONATIONS TO FUNDS

<i>For Walter Carroll Brinton Memorial Fund:</i>	
Donated by the family of Walter Carroll Brinton, '15..	\$5,000.00
<i>For F. B. Gummere Library Fund:</i>	
Harry C. Hartman.....	10.00
<i>For Edmund Morris Fergusson, Jr., Memorial Fund:</i>	
Mr. and Mrs. E. Morris Fergusson.....	200.00
<i>For Walter D. and Edith M. L. Scull Fund:</i>	
Additional cash and securities from Marriott C. Morris, Executor.....	40,286.06

DONATIONS

Francis B. Gummere Memorial Fund:

George Allen.....	\$25.00
Joshua L. Baily, Jr.....	25.00
Leslie A. Bailey.....	10.00
Donald G. Baird.....	50.00
William A. Blair.....	100.00
Edgar H. Boles.....	1,000.00
Edgar M. Bowman.....	25.00
Paul W. Brown.....	50.00
Horace B. Brodhead.....	50.00
William Marriott Canby.....	10.00
Morris Carey, Jr.....	30.00
Herman D. Carus.....	25.00
James McF. Carpenter, Jr.....	25.00
William W. Chambers.....	25.00
Carroll D. Champlin.....	10.00
William H. Collins.....	50.00
Henry H. Collins.....	1,000.00
Arthur S. Cookman.....	500.00
J. Arthur Cooper.....	10.00
Isaac M. Cox.....	25.00
G. Frederick Davis.....	10.00
Cecil K. Drinker.....	25.00
James S. Ellison.....	75.00
George W. Emlen.....	50.00
Horace Y. Evans.....	5.00
Edward L. Farr.....	100.00
Ralph L. Fansler.....	50.00
William T. Ferris.....	200.00
J. Russell Fitts.....	150.00
David H. Forsythe.....	50.00
Charles E. Foster.....	50.00
Gilbert C. Fry.....	100.00
John N. Guss.....	25.00
A. L. Gillespie.....	2.50
Robert B. Haines, Jr.....	25.00
Wilbur H. Haines.....	100.00
William H. Haines.....	1,000.00

HAVERFORD COLLEGE

Pierson P. Harris	\$25.00
George L. Helbert	250.00
Thomas R. Hill	10.00
William T. Hilles	250.00
Rees S. Himes	50.00
C. R. Hinchman	1,500.00
Harrison S. Hires	100.00
Enoch F. Hoffman	10.00
Arthur C. Inman	20.00
Horace H. Jenks	200.00
William W. Justice	500.00
Edward H. Kajimer	10.00
Joseph B. King	150.00
C. Prescott Knight, Jr.	250.00
Henry W. Kumm	15.00
Mennis Lawson	200.00
J. G. C. LeClercq	5.00
Miss Nina Lea	300.00
Philip L. Leidy	100.00
Daniel C. Lewis	1,000.00
Julian S. Long	100.00
Howard H. Lowry	5.00
Paul D. I. Maier	100.00
Francis N. Maxfield	25.00
John Gordon Maxwell	50.00
Francis B. Morris	100.00
J. W. Muir	50.00
David C. Murray	10.00
Francis K. Murray	25.00
Fred A. Myers, Jr.	25.00
Gurney E. Newlin	50.00
Alfred Edward Newton	100.00
J. Whitall Nicholson	2,500.00
E. P. Off	10.00
Charles Osborne	50.00
Mrs. Thomas E. Parke	200.00
Mr. and Mrs. Harold Peirce	250.00
Charles E. Phelps	2.00

DONATIONS

Arthur J. Phillips.....	\$50.00
J. Evan Philips.....	50.00
Edward Randolph.....	5.00
William F. Reeve.....	50.00
Frank C. Rex.....	25.00
William A. Reitzel.....	100.00
Francis Richardson.....	10.00
Archer Richards.....	10.00
G. Brinton Roberts.....	1,000.00
Nathan B. Sangree.....	10.00
R. W. Seckel.....	50.00
Francis S. Silver.....	50.00
Jonathan M. Steere.....	500.00
J. Stoddell Stokes.....	5,000.00
Albert H. Stone.....	10.00
Frederic H. Strawbridge.....	3,000.00
Arthur H. Thomas.....	500.00
Charles B. Thompson.....	5.00
H. Norman Thorn.....	150.00
W. Graham Tyler.....	250.00
Samuel Wagner.....	100.00
Douglas C. Wendell.....	25.00
W. Nelson L. West.....	500.00
John M. Whitall.....	5,000.00
E. M. Wilson.....	5.00
Richard D. Wood.....	500.00
Walter Wood.....	200.00

\$30,814.50

For Isaac Sharpless Memorial Fund:

Anonymous.....	\$500.00
Anonymous.....	1,000.00
Anonymous.....	100.00
Anonymous.....	500.00
Anonymous.....	10.00
Hollis E. Alden.....	5.00
J. H. Allen.....	5.00
Mrs. E. P. Allinson.....	100.00
David G. Alsop.....	25.00

HAVERFORD COLLEGE

Misses Emily R. and Lida H. Ashbridge. . .	\$25.00
George Ashbridge.	100.00
Iwao F. Ayusawa.	39.06
Harold F. Babbitt.	10.00
Dr. James A. Babbitt.	100.00
Leslie A. Bailey.	10.00
William L. Baily, Jr.	100.00
Fisher C. Baily.	10.00
Henry Baily.	5.00
Joshua L. Baily, Jr.	25.00
Mrs. Henry Bain.	25.00
Edmund F. Bainbridge.	25.00
Henry L. Balderston.	50.00
Mark Balderston.	20.00
Charles H. Banes.	50.00
Robert C. Banes.	5.00
Ralph V. Bangham.	15.00
William S. Baltz.	10.00
Albert W. Barker.	25.00
W. P. Barker.	100.00
Thomas B. Barlow.	100.00
John D. Barlow.	100.00
J. Henry Bartlett.	5.00
Thomas S. Battey.	25.00
William A. Battey.	100.00
Jesse D. Barns.	5.00
Clarence M. Baedenkopf.	25.00
Horace A. Beale, Jr.	500.00
Hon. H. O. Bechtel.	50.00
Prescott B. Beidelman.	25.00
William Brown Bell.	25.00
William Henry Bettle.	25.00
Edwin J. Bevan.	5.00
Edward H. Binns.	1,000.00
John S. Bioren.	25.00
A. H. Bishop.	25.00
David S. Bispham.	5,120.00
Edward K. Bispham.	100.00

DONATIONS

David H. Blair	\$25.00
William A. Blair	100.00
Walter E. Blair	5.00
William Bode	5.00
Edward W. Bok	500.00
Arthur L. Bowerman	50.00
Edgar M. Bowman	25.00
Daniel B. Boyer	100.00
Samuel K. Brecht	100.00
Frank E. Briggs	300.00
Howard H. Brinton	20.00
Arthur H. Brockie	5.00
Truxton Brodhead	50.00
Edward Brooks, Jr.	10.00
W. B. Broomall	100.00
Andrew Brown	5.00
Carroll T. Brown	10.00
Henry C. Brown	25.00
Ellis Y. Brown	150.00
Ellis Y. Brown, Jr.	100.00
Ernest L. Brown	75.00
Francis Head Brown	200.00
Thomas K. Brown	5.00
Robert P. Brown	250.00
Mr. and Mrs. Samuel B. Brown	100.00
Samuel H. Brown	5.00
I. Harvey Brumbaugh	60.00
H. E. C. Bryant	15.00
Andreas Bryne	25.00
F. C. Buffum, Jr.	15.00
Howard V. Bullinger	100.00
Howard Burt	100.00
Charles H. Burr	5.00
Alfred Busselle	10.00
Benjamin Cadbury	50.00
William W. Cadbury	10.00
Frances M. Caldwell	25.00
Cap and Bells Club	150.00

HAVERFORD COLLEGE

A. Morris Carey.....	\$120.00
G. Cheston Carey.....	100.00
James Carey, Jr.....	100.00
Dudley D. Carroll.....	1.00
Charles Henry Carter.....	10.00
John E. Carter.....	250.00
Herman D. Carus.....	75.00
B. Harold Cates.....	50.00
Elizabeth M. Chace.....	200.00
Frank S. Chase.....	10.00
James Anthony Chase.....	5.00
Oscar M. Chase.....	100.00
Robert H. Chase.....	10.00
Thomas Herbert Chase.....	25.00
Arthur M. Charles.....	5.00
William W. Chambers.....	25.00
Carroll D. Champlin.....	10.00
Cornelius J. Claassen.....	150.00
Class of 1890.....	4,500.00
Allen B. Clement.....	5.00
A. F. Coca.....	50.00
John E. Coffin.....	25.00
Clifford C. Collings.....	25.00
Alfred M. Collins.....	1,000.00
Frederic Collins, Jr.....	100.00
Stephen W. Collins.....	50.00
William H. Collins.....	50.00
Reuben Colton.....	100.00
William W. Comfort.....	500.00
Henry C. Conard.....	5.00
Charles G. Cook.....	5.00
J. Horace Cook.....	100.00
Arthur S. Cookman.....	300.00
Harold H. Cookman.....	10.00
Bennett S. Cooper.....	50.00
J. Arthur Cooper.....	40.00
Mrs. Alexis T. Cope.....	1,000.00
Caroline E. Cope.....	3,000.00

DONATIONS

Francis R. Cope.....	\$500.00
Joseph Cope.....	1.00
Estate of Ruth Anna Cope.....	500.00
Thomas P. Cope.....	100.00
Alexander P. Corbit.....	500.00
Clarence R. Cornman.....	25.00
Calvin B. Coulter.....	5.00
E. Morris Cox.....	20.00
Henry G. Cox.....	5.00
George C. Craig.....	10.00
Jesse W. Crites.....	10.00
Charles S. Crosman.....	25.00
J. Marshall Crosman.....	50.00
J. Ernest Crow.....	5.00
Loring Dam.....	30.00
Charles G. Darlington.....	100.00
Charles W. Davis.....	10.00
Francis F. Davis.....	10.00
H. L. Davis, Jr.....	1,000.00
J. Franklin Davis.....	10.00
F. H. Deacon.....	5.00
Archer G. Dean.....	50.00
George B. Dean.....	10.00
William Dean.....	100.00
Franklin DeCou.....	5.00
Frank H. Detwiler.....	2.00
Richard S. Dewees.....	25.00
Henry W. Doughten.....	5.00
Henry D. Downing, Jr.....	5.00
Otto E. Duer.....	25.00
Charles Edgerton.....	1,000.00
C. W. Edgerton.....	100.00
Joseph P. Edsall.....	5.00
D. W. Edwards.....	10.00
J. P. Edwards.....	2.00
James S. Ellison.....	25.00
Alfred W. Elkinton.....	10.00
Thomas W. Elkinton.....	100.00

HAVERFORD COLLEGE

Ralph R. Eltse.....	\$5.00
Chalmers P. Emigh.....	1.00
Mr. and Mrs. Samuel Emlen, Jr.....	100.00
Frank M. Eshleman.....	1,000.00
Charles R. Ervien.....	10.00
Robert Ervien.....	5.00
Charles Evans.....	5.30
Mr. and Mrs. Harold Evans.....	250.00
Horace Y. Evans.....	5.00
Thomas Evans.....	300.00
Thomas L. Fansler, Jr.....	100.00
Thomas L. Fansler.....	100.00
Ralph L. Fansler.....	100.00
Edward L. Farr, Jr.....	300.00
Benjamin Farquhar.....	10.00
Francis Hunt Farquahar.....	10.00
Percival B. Fay.....	5.00
Christian C. Febiger.....	1,000.00
Leslie W. Ferris.....	5.00
Wager Fisher.....	5.00
S. Wynne Ffoulkes.....	25.00
Warner Fite.....	5.00
Dwight R. Fitts.....	50.00
John E. Forsythe.....	25.00
Henry S. Fraser.....	40.00
Gilbert C. Fry.....	10.00
Alfred E. Freeman.....	10.00
William J. Gardiner.....	75.00
John K. Garrigues.....	100.00
A. H. Geuting.....	25.00
Elmer L. Gifford.....	10.00
A. L. Gillespie, Jr.....	2.50
Neil Gilmour.....	100.00
Henry G. Goddard.....	100.00
Francis C. Goerke.....	5.00
Francis Goodhue, 3d.....	15.00
Dr. W. C. Goodwin.....	5.00
Joseph W. Greene, Jr.....	150.00

DONATIONS

Rodman E. Griscom.....	\$100.00
Frank W. Guthrie.....	35.00
Casper W. Hacker.....	25.00
William E. Hacker.....	25.00
W. Laverie Hafer.....	10.00
Joseph H. Haines.....	500.00
Dr. Wilbur H. Haines.....	400.00
F. C. Hamilton.....	25.00
William W. Handy.....	10.00
William T. Hannum.....	10.00
Pierson P. Harris.....	75.00
Arthur S. Harding.....	200.00
LeRoy Harvey.....	5.00
Thomas P. Harvey.....	10.00
Alan W. Hastings.....	50.00
William F. Hastings.....	50.00
Joseph B. Haviland.....	10.00
Kenneth Hay.....	10.00
John S. Haynes.....	100.00
F. A. Herenden.....	200.00
Gerhard Heym.....	10.00
F. B. Higgins.....	1.00
A. J. Hill.....	250.00
Joseph Bennett Hill.....	25.00
Henry W. Hill.....	165.00
Horace P. Hill.....	100.00
T. Allen Hilles.....	2,500.00
Samuel E. Hilles.....	1,000.00
Walter S. Hinchman.....	1,000.00
Mr. and Mrs. Clarence G. Hoag.....	500.00
Benjamin R. Hoffmann.....	100.00
J. E. Hollingsworth.....	10.00
Arthur Hoopes.....	100.00
Hervey M. Hoskins.....	10.00
Herbert Howard.....	10.00
Furman S. Howson.....	150.00
Horace Howson.....	11.24
Byron C. Hubbard.....	50.00

HAVERFORD COLLEGE

George H. Hubler.....	\$50.00
G. Conrad Huffman.....	250.00
Luther M. Hunt.....	10.00
Arthur M. Hussey.....	25.00
William T. Hussey.....	25.00
Charles L. Huston.....	5,000.00
J. Stewart Huston.....	100.00
William P. Huston.....	10.00
Arthur P. Hutton.....	100.00
George S. Hutton.....	100.00
J. Wetherill Hutton.....	5.00
Matthew M. Hynson.....	75.00
Dr. Francis B. Jacobs.....	50.00
John H. Janney.....	25.00
Walter C. Janney.....	2,000.00
William P. Jenks.....	500.00
Carl Johnson.....	10.00
Irving C. Johnson.....	10.00
Mrs. Margaret H. H. Johnson.....	100.00
Arthur W. Jones.....	5.00
Edward B. Jones.....	10.00
Edward M. Jones.....	100.00
Frederick D. Jones.....	10.00
George L. Jones.....	25.00
H. L. Jones.....	5.00
Rufus M. Jones.....	25.00
S. Rufus Jones.....	25.00
Edward H. Kajimer.....	10.00
David A. Kay.....	35.00
Ira Oscar Kemble.....	100.00
Raymond C. Kendig.....	20.00
George A. Kerbaugh.....	100.00
Joseph O. Kerbaugh.....	50.00
Mrs. William M. C. Kimber.....	500.00
Franklin B. Kirkbride.....	250.00
W. H. Kirkbride.....	100.00
C. P. Knight.....	250.00
Henry W. Koons.....	5.00

DONATIONS

James D. Krider.....	\$200.00
Henry W. Kumm.....	15.00
Mrs. Isaac LaBoiteaux.....	100.00
Harold M. Lane.....	10.00
Charles S. Lee.....	25.00
Philip L. Lee.....	5.00
Arthur N. Leeds.....	1,000.00
Henry W. Leeds.....	100.00
Morris E. Leeds.....	850.00
John A. Lester.....	5.00
Clarence J. Leuba.....	50.00
Walker M. Levett.....	10.00
Andrew L. Lewis.....	60.00
William Draper Lewis.....	25.00
Walter E. Lewis.....	5.00
Mrs. H. G. Lippincott.....	50.00
George Lippincott.....	2,000.00
Sidney Loewenstein.....	5.00
Dr. Charles Long.....	25.00
Malcolm Lloyd.....	100.00
Longacre & Ewing.....	500.00
Arthur T. Lowry.....	1.00
Charles Longstreth, In Memory of (by Mrs. C. A. Longstreth).....	100.00
Howard H. Lowry.....	5.00
John B. Lowry.....	10.00
Frank H. Loud.....	10.00
Louis C. O. Lusson.....	100.00
Edward F. Lukens.....	50.00
James L. Lynch.....	500.00
Roswell C. McCrea.....	100.00
Francis S. McGrath.....	100.00
Henry E. McGrew.....	10.00
Howard F. McKay.....	5.00
Rowland P. McKinley.....	50.00
J. Gibson McIlvain, Jr.....	500.00
Warren S. McCulloch.....	10.00
Joseph McNeill.....	50.00

HAVERFORD COLLEGE

James P. Magill	\$50.00
Paul D. I. Maier	200.00
Jackson Maloney	25.00
J. L. Markley	50.00
Eva Rae Marshall	5.00
Franklin O. Marshall	5.00
Albert L. Marshburn	10.00
Gerald L. Martin	10.00
Samuel Mason, Jr.	5.00
Edmund R. Maule	100.00
Clayton W. Mayers	10.00
John Gordon Maxwell	50.00
Thomas J. Megear	100.00
David L. Mekeel	100.00
George Brown Mellor	10.00
Walter Mellor	100.00
O. E. Mendenhall	1.00
Harold S. Miller	50.00
Henry M. Miller	100.00
J. Thomas Mitchell	5.00
James Monroe	25.00
Charles T. Moon	5.00
Walter L. Moore	5.00
J. K. Moorhouse	25.00
J. H. Morhan	1.00
Christopher Morley	200.00
Franklin C. Morss, Jr.	50.00
Elliston P. Morris	25.00
C. Christopher Morris	2,000.00
George L. Morris	50.00
Dr. Harold H. Morris	300.00
Herbert Morris	10.00
Marriott C. Morris	2,000.00
Sydney S. Morris	100.00
Samuel W. Morris	500.00
Mrs. S. W. Morris	1,000.00
William P. Morris	420.00
Joseph W. Mott	3,000.00

DONATIONS

Grayson M. P. Murphy.....	\$100.00
Francis L. Murray.....	25.00
Thomas S. Mutch.....	5.00
Spencer G. Nauman.....	25.00
Barker Newhall.....	10.00
Guerney E. Newlin.....	50.00
Thomas Newlin.....	50.00
Herman Newman.....	10.00
Eli Nichols.....	75.00
Herbert V. Nicholson.....	3.00
Samuel Albert Nock.....	50.00
Charles H. Oberholtzer.....	75.00
John M. Okie.....	15.00
R. Brognard Okie.....	15.00
Charles Osborn.....	100.00
C. Raymond Owen.....	5.00
Joseph H. Painter.....	25.00
T. Chalkley Palmer.....	1,000.00
Walter Palmer.....	100.00
Douglas L. Parker.....	3.00
Mrs. Thomas E. Parke.....	300.00
Alfred Parrish.....	100.00
James C. Parrish.....	100.00
A. J. Drexel Paul.....	50.00
Henry G. Pearson.....	100.00
Mr. and Mrs. Harold Peirce.....	250.00
E. Converse Peirce.....	300.00
George Wharton Pepper.....	100.00
J. Evan Philips.....	10.00
Mrs. William R. Philler.....	50.00
William R. Philler.....	50.00
John D. Phillips.....	50.00
Fayette R. Plumb.....	10.00
Oliver M. Porter.....	5.00
Thomas C. Potts.....	100.00
W. Mansell Powell.....	19.25
Robert B. Price.....	10.00
Walter F. Price.....	100.00

HAVERFORD COLLEGE

E. R. Purdy.....	\$2.00
Evan Randolph.....	100.00
Edward Randolph.....	50.00
W. P. Raub.....	10.00
Mrs. James Rawle.....	100.00
Samuel Rea.....	500.00
J. Wallace Reeder.....	5.00
Ellis B. Reeves.....	100.00
Francis B. Reeves, Jr.....	5.00
Frank C. Rex.....	75.00
Charles J. Rhoads.....	500.00
Joseph Rhoads.....	25.00
J. Howard Rhoads.....	5.00
William T. Rhoads.....	10.00
E. R. Richie.....	25.00
Richard A. Ricks.....	15.00
Frederick P. Ristine.....	400.00
Mr. and Mrs. George S. Robbins.....	200.00
L. M. Robinson.....	10.00
William H. Robinson.....	10.00
Albert E. Rogers.....	50.00
George D. Rosengarten.....	100.00
Robert J. Ross.....	25.00
Mrs. Richard Rossmassler.....	250.00
Julian M. Round.....	1.00
Kenneth Rushton.....	1.00
Richard G. Sagebeer.....	50.00
Carl M. Sangree.....	10.00
M. Huyett Sangree.....	30.00
Ralph W. Sands.....	5.00
Henry P. Schenck.....	50.00
A. D. Schrag.....	5.00
William Ellis Scull.....	500.00
Dr. Elmer L. Schaffer.....	35.00
Frederick W. Sharp.....	25.00
S. Frank Sharpless.....	100.00
Malcolm A. Shipley.....	10.00
Wm. E. Shipley.....	2,066.00

DONATIONS

Benjamin H. Shoemaker, 2d	\$1,000.00
Comly B. Shoemaker	300.00
Walter R. Shoemaker	50.00
Walter D. Shultz	10.00
Robert L. Simpkin	15.00
Otis Skinner	20.00
Albert K. Smiley	100.00
Capt. Hugh Smiley	15.00
Smedley & Mehl	250.00
Horace E. Smith	500.00
William F. Smith	100.00
Craige M. Snader	100.00
Edgar T. Snipes	100.00
A. R. Spaid	5.00
John W. Spaeth, Jr.	200.00
Reynold A. Spaeth	5.00
A. G. H. Spiers	50.00
Mark H. C. Spiers	2.00
Frederic Stadelman	100.00
Glen W. Starkey	10.00
Howard Starkey	200.00
John B. Stevenson	45.00
Andrew M. Stokes	2.00
Francis J. Stokes	1,000.00
Henry W. Stokes	2,500.00
James M. Stokes	100.00
Joseph W. Stokes	10.00
Elliott K. Stone	2.00
R. W. Stone	100.00
C. Wharton Stork	420.00
Frederic H. Strawbridge	4,000.00
Robert E. Strawbridge	250.00
H. H. Stuart	250.00
J. Harlan Stuart, In Memory of (subscribed by H. H. Stuart)	250.00
D. Sherman Taber	15.00
Edward C. Tatnall	10.00
Edward A. Taylor	75.00

HAVERFORD COLLEGE

Edward B. Taylor.....	\$10.00
Francis R. Taylor.....	496.00
Frederick R. Taylor.....	5.00
H. D. Taylor.....	50.00
J. Gurney Taylor.....	5.00
William J. Taylor.....	10.00
Chester Jacob Teller.....	100.00
C. Clayton Terrell.....	10.00
Paul T. Terrell.....	1.00
Frank W. Thacher.....	1,000.00
Edward Thomas.....	5.00
Frank H. Thiers.....	25.00
Fred. T. Thomas.....	5.00
George H. Thomas.....	57.00
Dr. Henry M. Thomas.....	100.00
Howard P. Thomas.....	50.00
John C. Thomas.....	25.00
L. Ralston Thomas.....	10.00
Miss Martha G. Thomas.....	25.00
F. O. Tostenson.....	2.00
Alexander C. Tomlinson.....	100.00
Alfred G. Townsend.....	50.00
John T. Troth.....	5.00
Charles K. Trueblood.....	30.00
Ralph W. Trueblood.....	10.00
T. R. Tunis.....	100.00
W. Graham Tyler.....	250.00
Stephen W. Underhill.....	1.00
Walter Elwood Vail.....	50.00
J. Lewis VanTine.....	25.00
Charles P. Vaughan.....	500.00
George Vaux, Jr.....	250.00
Robert Vaux, In Memory of (given by Miss Meta Vaux).....	200.00
Y. O. Waln.....	1.00
Clarence A. Warden.....	200.00
George M. Warner.....	50.00
Kenneth W. Webb.....	5.00

DONATIONS

Bert C. Wells	\$10.00
Douglas C. Wendell	25.00
W. Nelson L. West	600.00
Charles H. Wetzel	100.00
Charles Wheeler	100.00
John M. Whittall	2,000.00
Francis A. White	1,000.00
H. A. White	10.00
Joseph D. White	30.00
Richard J. White	200.00
Walter White	5.00
Wilfred W. White	10.00
Wilfred W. White	25.00
J. D. Whitney	5.00
William F. Wickersham	5.00
John S. Williams	125.00
John F. Wilson	25.00
S. Norman Wilson	50.00
George L. Winslow	15.00
Oliver P. Winslow	5.00
W. W. Woodward	50.00
Alexander C. Wood	500.00
Arnold Wood	5.00
Charles Wood	50.00
Gilbert C. Wood	100.00
George Wood	4,500.00
George H. Wood	25.00
Richard D. Wood	500.00
Richard R. Wood	100.00
Walter Wood	5.00
Granville Worrèll	25.00
Harold Worthington	15.00
Gifford K. Wright	125.00
J. Anson Wright	5.00
Charlton Yarnall	250.00
William S. Yarnall	25.00
K. H. Yeh	5.00
Alan S. Young	5.00

HAVERFORD COLLEGE

W. A. Young.....	\$5.00
Wilmer J. Young.....	10.00
Allan Zook.....	60.00
	<hr/> \$104,718.35

ENDOWMENT FUNDS

GENERAL ENDOWMENT FUND

Founded in 1847 with subscriptions of \$50,000 by a number of Friends. Additions were made as follows: 1868, from an anonymous source, \$5,000; 1869, bequest of Ann Haines to increase the compensation of professors, \$2,670; 1870, bequest of Richard D. Wood, \$18,682.86; 1872, from William Evans, \$1,000; 1874, from executors of Jesse George, deceased, \$5,000; 1880, bequest of Dr. Joseph W. Taylor, \$5,000; 1901, legacy of Ann Williams, \$2,425.50. Present par value, \$110,525.02. The income is used for salaries and for scholarships, the latter usually to the amount of \$1,200 per annum.

JOHN FARNUM MEMORIAL FUND

Founded in 1878 by the heirs of John Farnum by gift of \$25,000 as a memorial to him. Added to in 1899 by legacy of \$10,000 from Elizabeth H. Farnum, widow of John Farnum. Present par value, \$43,229.73. The income only is to be used to endow a "professorship of some practical science or literature." The chair of chemistry was designated as the "John Farnum Professor of Chemistry."

JOHN M. WHITALL FUND

Founded in 1880 by bequest of \$10,000 from John M. Whittall, Sr. Present par value, \$11,012.59. The bequest is upon the condition that the art of drawing, especially mechanical drawing, shall be taught, and the income only is to be used and for this purpose.

DAVID SCULL FUND

Founded in 1885 by bequest of \$40,000 from David Scull, Sr. Present par value, \$48,354.84. The income only is to be used to endow a professorship. The chair of biology was designated as the "David Scull Professor of Biology."

HAVERFORD COLLEGE

EDWARD L. SCULL FUND

Founded in 1885 by net bequest of \$9,500 from Edward L. Scull, '64. This legacy was to the General Endowment Fund, but in 1888 it was set apart as a separate fund. Present par value, \$12,389.63. The income only is to be used. The bequest is free from any legally binding conditions, but it was the testator's desire "that some judicious means shall be employed by the Managers to further advise students on the subjects of diet and reading."

WISTAR MORRIS MEMORIAL FUND

Founded in 1892 by gift of \$5,000 in bonds by Mary Morris, widow of Wistar Morris, as a memorial to him. Present par value, \$5,261.74. There are no restrictions. The income is used for general college purposes.

ISRAEL FRANKLIN WHITALL FUND

Founded in 1896 by net legacy of \$9,667.83 from Israel Franklin Whittall. Present par value, \$12,810.17. The income only is to be used for the payment of professors or teachers.

JACOB P. JONES ENDOWMENT FUND

Founded in 1897 by residuary legacy of Jacob P. Jones. This amounted when received to par value of \$279,021.60 and sundry real estate. The real estate, except 12.292 acres, has been sold. Present par value of the fund, \$1,094,081.43. The income only is to be used for general college purposes, and out of said income there shall be admitted a portion at least of the students either free of charge or at reduced rates. In accordance with this provision, \$9,200 per annum is used for scholarships, and the balance of income for general college purposes. Jacob P. Jones' will contains the following: "My hope is that under the blessing and favor of God there will come from this source a revenue which shall be productive of growth and vigor in the institution as well as help at this critical period of their lives to many deserving young men of slender patrimony."

ENDOWMENT FUNDS

JOHN FARNUM BROWN FUND FOR THE STUDY OF THE BIBLE, BIBLICAL HISTORY AND LITERATURE, PHILOSOPHY AND KINDRED SUBJECTS

Founded in 1900 by T. Wistar Brown as a memorial to his son, John Farnum Brown, '93. The original gift was in securities of a par value of \$58,000, shortly afterward increased by a further gift of \$5,000. Additional gifts by T. Wistar Brown were made as follows: in 1910, \$5,000 and \$10,000; in 1911, \$20,612.29; in 1912, \$30,000 par value of securities. Present par value, \$288,893.21. The income only is to be used for the purpose of making provision for the regular study of the Bible and Biblical history and literature, and as way opens for religious teaching. In 1910, the scope and title of the Fund were enlarged to include "and Philosophy and Kindred Subjects." Income up to \$200 may be used for prizes in Biblical Literature and Philosophy. At least ten per cent of the total income of this fund must be capitalized each year, as must also all unused income at the close of each fiscal year.

ELLEN WALN FUND

Founded in 1900 by legacy of \$10,000 from Ellen Waln. Present par value, \$12,238.10. There are no restrictions. The income is used for general college purposes.

CLEMENTINE COPE ENDOWMENT FUND

Founded in 1904 by bequest of \$25,000 from Clementine Cope. Present par value, \$31,383.75. There are no restrictions. The income is used for general college purposes.

NATHAN BRANSON HILL TRUST

Founded in 1904 by deposit with Minneapolis Trust Co., Minneapolis, Minn., trustee, of a paid-up life insurance policy for \$5,000 by Samuel Hill, '78, being in memory of his father, Nathan Branson Hill. The income is to be used to aid the maintenance of Haverford College so long as it shall remain under the auspices of the Society of Friends. At present the only income is from dividends upon the above policy.

HAVERFORD COLLEGE

JOSEPH E. GILLINGHAM FUND

Founded in 1907 by bequest of \$50,000 from Joseph E. Gillingham. Present par value, \$54,061.39. The testator said, "I request, but I do not direct, that part of the income of this legacy may be used for free scholarships for meritorious students." In accordance with this request, \$800 is appropriated annually from the income for scholarships, the balance being used for general college purposes.

HENRY NORRIS FUND

Founded in 1907 by bequest of \$5,000 from Henry Norris. Present par value, \$6,048.70. There are no restrictions. The income is used for general college purposes.

ELIZABETH H. FARNUM FUND

Founded in 1891. The original principal of this fund, amounting to \$10,000, is held by the Provident Life and Trust Co. of Philadelphia under a deed of trust created by Elizabeth H. Farnum. The first income accrued to the College in 1914. Present par value, \$10,220.00. There are no restrictions as to the use of the income, and same is applied to general college purposes.

JAMES R. MAGEE FUND

Founded in 1915 by bequest of \$10,000 from James R. Magee, '59. Present par value, \$10,774.37. There are no restrictions except that the income only is to be used. This has been applied to general college purposes. The will provides for a further bequest to the College upon the death of sisters of the testator.

ALBERT K. SMILEY FUND

Founded in 1915 by gift of \$1,000 from Daniel Smiley, '78, as a memorial to his brother, Albert K. Smiley, '49. Present par value, \$1,017.50. There are no restrictions except that preference was expressed that the income only should be used. This has been applied to general college purposes.

ENDOWMENT FUNDS

THE HINCHMAN ASTRONOMICAL FUND

Founded in 1917 by bequest of \$10,000 par value of securities from Charles S. Hinchman. Present par value, \$11,040.10. The income only to be used "to increase the salary of the astronomical professorship so as to provide a suitable instructor in the ennobling study of the heavens."

WALTER D. AND EDITH M. L. SCULL FUND

Founded in 1918 by bequest of Walter D. Scull, whose death followed shortly after the death of his sister, Edith M. L. Scull. Each left his or her estate to the other, unless predeceased; in this latter case both American estates were left to Haverford College. Both were children of Gideon D. Scull, '43, and resided in England. Income accumulated before the receipt of the fund by the College amounted to \$16,887.66, of which \$15,078.51 has been added to the principal of the fund. Present par value, \$133,527.97. The fund was created to establish a professorship of modern English constitutional history, and the chair has been designated as the Walter D. and Edith M. L. Scull Professor of History.

ALBIN GARRETT MEMORIAL FUND

Founded in 1919 by legacy of \$25,000 from Mary Hickman Garrett, in memory of her late husband, Albin Garrett, '64. Present par value, \$36,346.00. There are no restrictions. The income is used for general college purposes.

ARNOLD CHASE SCATTERGOOD MEMORIAL FUND

Founded in 1919 by gift of \$30,000 in securities from Maria Chase Scattergood in memory of her son, Arnold Chase Scattergood, of the Class of 1919, who died in his Junior year. Present par value, \$30,000. The income only is to be used toward the payment of professors' salaries. Should Haverford at any time in the future give instruction or offer courses in Military Training, the fund must be surrendered to Committee on Education of Yearly Meeting of Friends of Philadelphia.

HAVERFORD COLLEGE

FRANCIS B. GUMMERE MEMORIAL FUND

Founded in 1920. This fund was started by a gift of \$25,000 from Miss Emily H. Bourne, of New York, conditional upon the raising of \$100,000 additional for an endowment of the Chair of English Literature in memory of her friend, Professor Francis Barton Gummere. A committee of alumni, consisting of J. Stogdell Stokes, '89, chairman; E. R. Tatnall, '07, treasurer; Hans Froelicher, '12, secretary; Charles J. Rhoads, '93; Alfred M. Collins, '97; Winthrop Sargent, Jr., '08, and Parker S. Williams, '94, working with President Comfort, organized a comprehensive campaign among the alumni and friends of the College to raise \$500,000 for this purpose and for increases of professors' salaries; the first \$100,000 of unspecified gifts was used to complete the Francis B. Gummere Memorial Fund to at least \$125,000, and the balance comprised the Isaac Sharpless Memorial Fund. Total paid in Eighth month 31, 1921, par value \$137,853.25.

ISAAC SHARPLESS MEMORIAL FUND

Founded in 1920. The alumni of the College conducted during 1920 a campaign for \$500,000 additional endowment for the College to make possible additional salaries to the professors. Appeal was made to found two new funds, the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund. The funds received, except where otherwise specified, were first applied to the completion of the former up to \$125,000 (see above). Specified gifts and donations thereafter received were then applied to the Isaac Sharpless Memorial Fund. The income only is to be used for salaries of professors. Paid in Eighth month 31, 1921, par value \$129,401.88.

GENERAL EDUCATION BOARD FUND

The General Education Board of New York appropriated \$125,000 in 1920 to the campaign for increase of endowment when the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund were raised. Interest at five per cent has been paid from that time, and the principal is to be turned over to the Corporation later as the conditions set by the Board are fulfilled.

ENDOWMENT FUNDS

MOSES BROWN FUND

A trust founded by T. Wistar Brown in 1906, as a memorial to his father, Moses Brown. Transferred to the College in 1916 after his death, having at that time a par value of \$372,821.91. Present par value, \$403,108.86. The fund was created to establish a graduate course in religious study in harmony with and supplementary to the teaching and study provided for by the John Farnum Brown Fund. The income only is to be used; at least ten per cent of the total income must be capitalized each year. The unused income, if any, is likewise capitalized at the close of each fiscal year. The graduate school supported by the Moses Brown Fund is designated "The Thomas Wistar Brown Graduate School."

INFIRMARY ENDOWMENT FUND

Founded in 1911 from subscriptions totaling \$9,072.55, raised among alumni and friends of the College. Present par value, \$9,750.94. The income is used toward the expenses of the Morris Infirmary.

JOHN W. PINKHAM FUND

Founded in 1911 by legacy of \$5,000 from Dr. John W. Pinkham, '60, being transmitted by gift from his widow, Cornelia F. Pinkham. Present par value, \$5,059.50. There are no binding conditions, but as she expressed an interest in the Morris Infirmary, then building, the Board of Managers directed that the income of this fund should be used in the support and maintenance of the Infirmary.

HAVERFORD UNION FUND

Founded in 1920 by gift of \$1,000 par value of bond, \$678.59 cash, and all the personal property in the Union from the Haverford College Union. The College assumed the responsibility for the care of the building First month 16, 1920. The income is used toward the maintenance of the Union building. Present par value, \$1,678.59.

THOMAS P. COPE FUND

Founded in 1842 by gift of sixty shares of Lehigh Coal and Navigation Co. stock, par value \$3,000, from Thomas P. Cope. Present par

HAVERFORD COLLEGE

value, \$6,142.69. The income only is to be used "for the education of young men to qualify them to become teachers, but who are not of ability to pay their own schooling." The fund sustains the Thomas P. Cope Scholarships.

EDWARD YARNALL FUND

Founded in 1860 by bequest of \$5,000 from Edward Yarnall. Present par value, \$6,610.10. The income only is to be used for "the support of free scholarships." The fund sustains the Edward Yarnall Scholarships.

ISAIAH V. WILLIAMSON FUND

Founded in 1876 and increased in 1883 by gifts of sundry ground rents from Isaiah V. Williamson. Present par value, \$23,280.38. The income only is to be used for free scholarships or part scholarships. The fund sustains the Isaiah V. Williamson Scholarships.

RICHARD T. JONES SCHOLARSHIP FUND

Founded in 1885 by bequest of \$5,000 from Jacob P. Jones as a memorial to his late son, Richard T. Jones. Present par value, \$5,056.25. The income only to be used to sustain the "Richard T. Jones Scholarship."

MARY M. JOHNSON SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Mary M. Johnson. Accrued interest before payment to the College increased the fund by \$3,062.95. Present par value, \$9,053.35. The bequest was to establish a "perpetual scholarship." The fund sustains the Mary M. Johnson Scholarships.

SARAH MARSHALL SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Sarah Marshall. Accrued interest before payment to the College increased the fund by \$2,589.49. Present par value, \$8,019.99. The bequest was to establish a "perpetual scholarship." The fund sustains the Sarah Marshall Scholarships.

ENDOWMENT FUNDS

CLEMENTINE COPE FELLOWSHIP FUND

Founded in 1899 by gift of \$25,000 from Clementine Cope. Present par value, \$27,402.93. The gift was to establish the "Clementine Cope Fellowship Fund to assist worthy and promising graduates of Haverford College in continuing their course of study at Haverford or at some other institution of learning in this country or abroad." The selection of the Fellows is made by the Board of Managers upon nomination by the Faculty.

ISAAC THORNE JOHNSON SCHOLARSHIP FUND

Founded in 1916 by gift of \$5,000 from Isaac Thorne Johnson, '81. Present par value, \$5,056.25. The gift was to establish "The Isaac Thorne Johnson Scholarship to aid and assist worthy young men of Wilmington Yearly Meeting or of the Central West to enjoy the privileges of Haverford College."

CASPAR WISTAR MEMORIAL SCHOLARSHIP FUND

Founded in 1920 by gift of Edward M. and Margaret C. Wistar of \$5,000 par value in bonds in memory of their son, Caspar Wistar, of the Class of 1902, who died in Guatemala in 1917 while engaged in mission service in that country. The income only is to be used for scholarships, primarily for sons of parents engaged in Christian service, including secretaries of Young Men's Christian Associations, or students desiring preparation for similar service in America or other countries. Present par value, \$5,000.

WALTER CARROLL BRINTON MEMORIAL FUND

Founded in 1920 by gift of \$5,000 by the family of Walter Carroll Brinton, Class of 1915, who died in France Twelfth month 8, 1918, while engaged in reconstruction work. The fund sustains the Walter Carroll Brinton Scholarship.

ALUMNI LIBRARY FUND

Founded in 1863 by contributions from the alumni and other friends of the College. In 1909 the unexpended balance (about \$5,000) of a fund of \$10,000 raised in 1892, and known as the "New Library Fund,"

HAVERFORD COLLEGE

was merged into the Alumni Library Fund. Present par value, \$19,219.78. The income is used for the purchase of books, etc., for the Library.

MARY FARNUM BROWN LIBRARY FUND

Founded in 1892 by gift of \$20,000 from T. Wistar Brown, executor of the estate of Mary Farnum Brown. Additions were made by T. Wistar Brown in 1894, \$10,000 for a lecture fund, and in 1913, \$20,000. In 1916, after T. Wistar Brown's death, there was added to this fund \$34,499.78 par value of securities, being a trust which he had created for this purpose in 1908 and to which he had made additions in subsequent years. Present par value, \$95,320.69. The purpose of this fund (except \$10,000) is for the increase and extension of the Library. The income only is to be used for the purchase of books, and one-fifth of same is to be spent for books promoting the increase of Christian knowledge. The books purchased with the income of this fund are marked by a special book-plate. The income of \$10,000 of the fund is to provide for an annual course of lectures upon Biblical subjects designated "The Haverford Library Lectures." Unused income from this fund, if any, is capitalized at the end of each fiscal year.

WILLIAM H. JENKS LIBRARY FUND

Founded in 1910 by gift of \$5,000 from Hannah M. Jenks, widow of William H. Jenks. The fund was first known as "Special Library Fund," but after the death of Hannah M. Jenks was changed, in 1916, to "William H. Jenks Library Fund." Present par value, \$5,755. The purpose of the fund is that the income shall be used for the care of the collection of Friends' books made by William H. Jenks and given by his widow to Haverford College, and to make appropriate additions thereto. Any income not used for these purposes may be used toward the general needs of the Library.

MARY WISTAR BROWN WILLIAMS LIBRARY FUND

Founded in 1914 by gift of \$20,000 from Parker S. Williams, '94, as a memorial to his wife, Mary Wistar Brown Williams. Present par value, \$20,321.74. The income only is to be used for the purchase of books for the Library, preferably books coming within the classes of

ENDOWMENT FUNDS

history, poetry, art, and English and French literature. The books purchased with the income of this fund are marked by a special book-plate.

ANNA YARNALL FUND

Founded in 1916 by residuary bequest of \$7,000 par value of securities and one-half interest in suburban real estate from Anna Yarnall. Additional amount under bequest was received in 1918. Present par value, \$9,525.78, the real estate not yet having been sold. The bequest was made for the general use of the Library. The testatrix says, "I do not wish to restrict the managers as to the particular application of this fund, but desire them to use the income arising from it as in their best judgment and discretion shall seem best, for the purchase of books and manuscripts, book cases, rebinding of books, and, if need be, the principal or portions thereof, or the income or portions thereof, for additions to the present Library building, or the erection of new Library buildings. I direct that all books purchased with this fund shall be plainly marked 'Charles Yarnall Memorial' in memory of my father, Charles Yarnall."

F. B. GUMMERE LIBRARY FUND

Founded in 1920 by gift of \$635.47, raised among the students by the Students' Association of the College as a memorial to Professor Francis Barton Gummere. The income only is to be used to buy for the Haverford College Library books on the subjects that he taught or was interested in.

The Students' Association voted also to raise twenty-five dollars for a special shelf in the Library to be known as the "F. B. Gummere Memorial Shelf." This shelf, with its proper inscription, holds the books purchased by this fund. Present par value, \$635.47.

EDMUND MORRIS FERGUSSON, JR., CLASS OF 1920 MEMORIAL FUND

Founded in 1920 by memorial gift of one thousand dollars from the family of Edmund Morris Fergusson, Jr., Class of 1920, who died at the College in his Senior year. The income only is to be used for the maintenance and increase of the Library's Department of English and

HAVERFORD COLLEGE

American Literature. The books purchased with the income of this fund are marked by a special book-plate indicating its source. Present par value, \$1,000.

PRESIDENT SHARLPRESS FUND

Founded in 1907 by contributions from interested friends of the College, finally amounting to \$40,000. Present par value, \$45,851.60. The income is to be used for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for pensions, or, if not needed for pensions, is capitalized in said fund.

WILLIAM P. HENSZEY FUND

Founded in 1908 by gift of \$10,000 from William P. Henszey, donated in connection with the raising of the President Sharpless Fund, but kept as a separate fund. Increased in 1909 by legacy of \$25,000 from William P. Henszey. Present par value, \$36,692.16. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for pensions, or, if not needed for pensions, is capitalized in said fund.

JACOB P. JONES BENEFIT FUND

Founded in 1909 and increased in 1910 by proceeds of land sold for account of Jacob P. Jones legacy. Present par value, \$69,679.74. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for pensions, or, if not needed for pensions, is capitalized in said fund.

ENDOWMENT FUNDS

PLINY EARLE CHASE MEMORIAL FUND

Founded in 1909 by transfer to the College of a fund raised in 1887 in memory of Professor Pliny Earle Chase, and amounting to par value of \$4,390.24. Present par value, \$4,390.24. The income of this fund is applied first to a \$100 life annuity, and the balance, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. Upon the death of the life annuitant, all of the income will be so used. This income is transferred annually to the Haverford College Pension Fund for pensions, or, if not needed for pensions, is capitalized in said fund.

HAVERFORD COLLEGE PENSION FUND

Founded in 1910 and added to since, being accumulations of income from the President Sharpless Fund, the William P. Henszey Fund, the Jacob P. Jones Benefit Fund and the Pliny Earle Chase Memorial Fund, not needed for pensions. Present par value, \$67,841.50. The income from this fund, together with the income from the four above-mentioned funds, is used for pensions, and if not needed for pensions is capitalized in this fund.

THOMAS SHIPLEY FUND

Founded in 1904 by gift of \$5,000 from Samuel R. Shipley as a memorial to his father, Thomas Shipley. Present par value, \$5,225. The income only to be used for lectures on English Literature at the College. In case of actual need, at the discretion of the President of the College, the income can be used for general expenditures.

ELLISTON P. MORRIS FUND

Founded in 1906 by gift of \$1,000 from Elliston P. Morris, '48. Present par value, \$1,188.75. The income is to be used as a prize for essays to be written by students on the subject of Arbitration and Peace. "The Elliston P. Morris Prize" of \$80 is given in alternate years, the competition being open to all undergraduates and to graduates of one year's standing.

HAVERFORD COLLEGE

JOHN B. GARRETT READING PRIZE FUND

Founded in 1908 by gift of \$2,000 par value of bonds by John B. Garrett, '54. Present par value, \$2,000, but bonds are in default. It was the purpose of the donor to ensure the permanence of a prize or prizes for Systematic Reading, amounting to \$100 annually, which he had given for a number of years.

SPECIAL ENDOWMENT FUND

Founded in 1909 by gift of \$12,000 par value of bonds from an anonymous donor. Present par value, \$12,000. The income only of this fund is to be used "to furnish opportunity for study of social and economic and religious conditions and duties connected therewith, especially from a Christian point of view." The income is used toward the expenses of Summer Schools for Religious Study, which have been held at Haverford College from time to time.

SCHOLARSHIP IMPROVEMENT PRIZE FUND

Founded in 1913 by gift of \$2,000 par value of bonds from John L. Scull, '05. Present par value, \$2,000. The income only to be used to establish two prizes of \$50 and \$45 annually to the two students in the graduating class showing the most marked and steady improvement in scholarship during their college course.

ELIZABETH P. SMITH FUND

Founded in 1915 by bequest of \$1,000 from Elizabeth P. Smith. Present par value, \$1,032.00. The income only to be used as a prize for the best essays on Peace written by the students of the College.

S. P. LIPPINCOTT HISTORY PRIZE FUND

Founded in 1917 by gift of \$2,500 par value of bonds from beneficiary of the estate of S. P. Lippincott, '86. Present par value, \$2,500. The income only to be used as an annual history prize, which is designated "The S. P. Lippincott History Prize."

ENDOWMENT FUNDS

FRANCIS STOKES FUND

Founded in 1919 by gift of \$5,000 in securities from Francis J. Stokes, '94, in memory of his father, Francis Stokes, of the Class of 1852, and a Manager of Haverford from 1885 until his death in 1916. Present par value, \$5,000. The income is to be used for extending the planting of trees and shrubs on the College grounds. The wish is expressed, but not as a binding condition of the gift, that the Campus Club should have the direction of the expenditure of this income.

GEORGE PEIRCE PRIZE FUND

Founded in 1919 by gift of \$600, and increased in 1920 by further gift of \$400, from Harold and Charlotte C. Peirce in memory of their deceased son, George Peirce, '03. Present par value, \$1,000. The income only is to be used for a prize, to be called the George Peirce Prize in Chemistry or Mathematics, to the student who, in the opinion of the Faculty, has shown marked proficiency in either or in both of these studies and who intends to follow a profession which calls for such preparation.

STATED MEETINGS OF THE CORPORATION AND THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

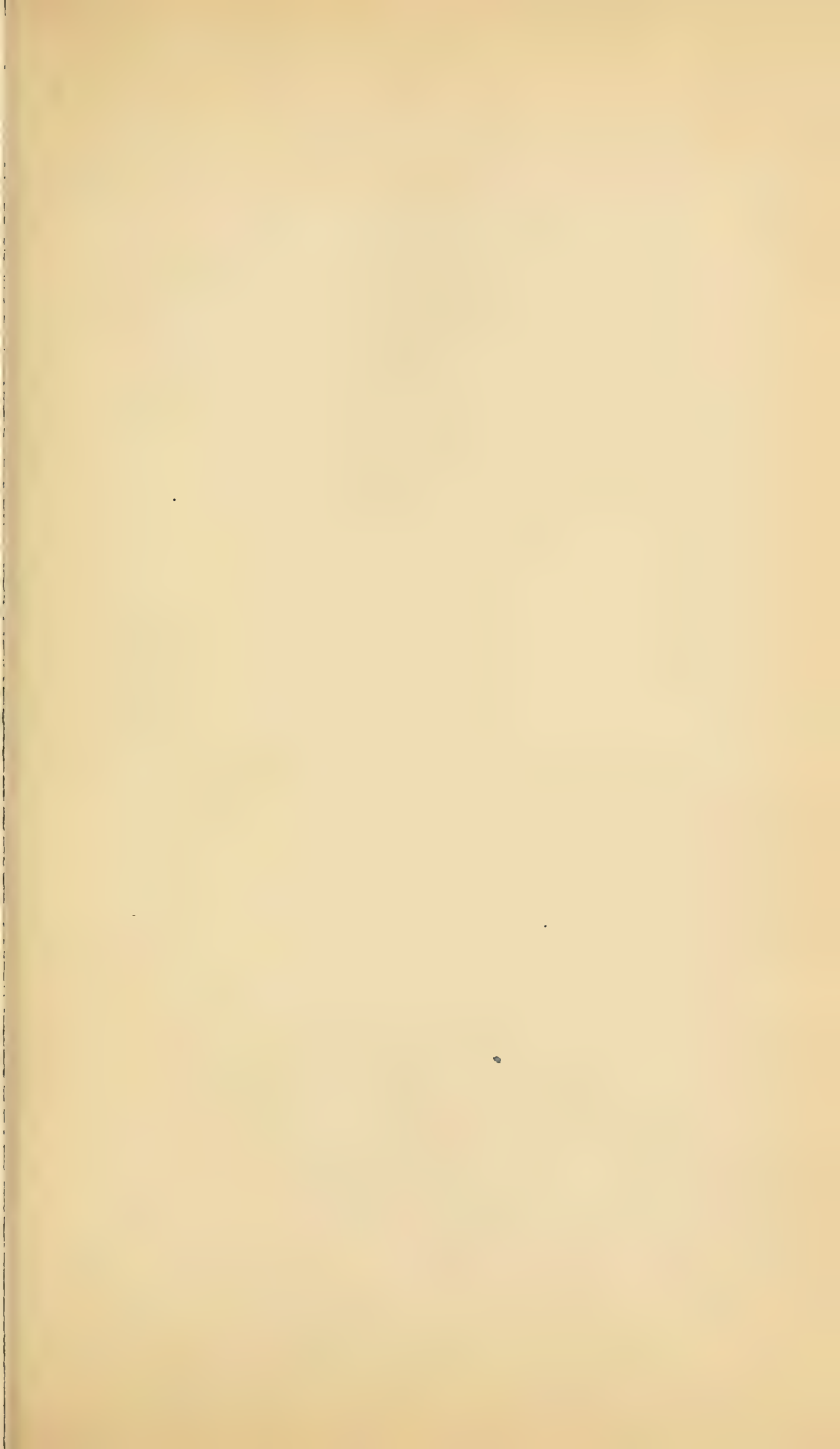
The Stated Meetings of the Managers are held on the third Sixth-day in the First, Third, Fifth, Ninth and Eleventh months.

LEGACIES

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

FORM OF LEGACY

*I give and bequeath (if personal)—devise (if real)—
to "The Corporation of Haverford College," the sum of
.....(or
if real estate, describe it).....to
have and to hold to them, their successors and assigns, to the
use of the said "The Corporation of Haverford College," their
successors and assigns.*



CATALOGUE
OF
HAVERFORD COLLEGE
1921-1922



HAVERFORD, PA.

1922

	S	M	T	W	T	F	S		S	M	T	W	T	F	S	
September						1	2	November					1	2	3	4
	3	4	5	6	7	8	9		5	6	7	8	9	10	11	
	10	11	12	13	14	15	16		12	13	14	15	16	17	18	
	17	18	19	20	21	22	23		19	20	21	22	23	24	25	
	24	25	26	27	28	29	30		26	27	28	29	30			
October	1	2	3	4	5	6	7	December							1	2
	8	9	10	11	12	13	14		3	4	5	6	7	8	9	
	15	16	17	18	19	20	21		10	11	12	13	14	15	16	
	22	23	24	25	26	27	28		17	18	19	20	21	22	23	
	29	30	31						24	25	26	27	28	29	30	
								31								

1923

	S	M	T	W	T	F	S		S	M	T	W	T	F	S
January		1	2	3	4	5	6	April	1	2	3	4	5	6	7
	7	8	9	10	11	12	13		8	9	10	11	12	13	14
	14	15	16	17	18	19	20		15	16	17	18	19	20	21
	21	22	23	24	25	26	27		22	23	24	25	26	27	28
	28	29	30	31					29	30					
February					1	2	3	May			1	2	3	4	5
	4	5	6	7	8	9	10		6	7	8	9	10	11	12
	11	12	13	14	15	16	17		13	14	15	16	17	18	19
	18	19	20	21	22	23	24		20	21	22	23	24	25	26
	25	26	27	28					27	28	29	30	31		
March					1	2	3	June						1	2
	4	5	6	7	8	9	10		3	4	5	6	7	8	9
	11	12	13	14	15	16	17		10	11	12	13	14	15	16
	18	19	20	21	22	23	24		17	18	19	20	21	22	23
	25	26	27	28	29	30	31		24	25	26	27	28	29	30

CALENDAR

1922-1923

Winter Recess ends, 8.30 A. M. Jan. 4, 1922
Second Half-year begins, 8.30 A. M. Feb. 6
Third Quarter ends, 1.00 P. M. Mar. 25
Spring Recess begins, 1.00 P. M. Mar. 25
Spring Recess ends, 8.30 A. M. April 3
Senior Class Day June 15
Commencement and Alumni Day June 16

Examinations for Admission Sept. 18, 19, 20
College Year, 1922-1923, begins, 9.10 A. M. Sept. 21
First Quarter ends, 4.00 P. M. Nov. 15
Thanksgiving Recess Nov. 30, Dec. 1, 2
Winter Recess begins, 4.00 P. M. Dec. 20
Winter Recess ends, 8.30 A. M. Jan. 4, 1923
Second Half-year begins, 8.30 A. M. Feb. 5
Third Quarter ends, 1.00 P. M. Mar. 24
Spring Recess begins, 1.00 P. M. Mar. 24
Spring Recess ends, 8.30 A. M. April 2
Senior Class Day June 14
Commencement and Alumni Day June 15

HAVERFORD COLLEGE

HISTORY AND DESCRIPTION

Haverford College was founded in 1833. It owes its origin to the insight and energy of a few members of the Society of Friends from Philadelphia and New York, who, in the spring of 1830, conceived the idea of founding an institution for education in the higher branches of learning. Its object, in the words of the founders, was "to combine sound and liberal instruction in literature and science with a religious care over the morals and manners, thus affording to the youth of our Society an opportunity of acquiring an education equal in all respects to that which can be obtained at colleges."

The founders were incorporated in 1833 under the laws of the Commonwealth of Pennsylvania into the Haverford School Association, a body now known as the Corporation of Haverford College. This corporation elects a board of managers for the control of its affairs and for the administration of its funds. For the founding of the School sixty thousand dollars was raised; but the sum proved insufficient for its maintenance, and for many years the financial deficit was met by liberal subscriptions of friends.

From 1845 to 1848 the School was closed in order to allow the funds to accumulate and to give time for the collection of an endowment. Since that time, by a number of generous bequests and donations, the amount of invested funds yielding interest has been increased to over three million dollars.

HAVERFORD COLLEGE

The first building of the College was Founders Hall, erected in 1833. The Observatory was built in 1852, and enlarged in 1883. Alumni Hall was built in 1863, and enlarged in 1898 and 1912 to meet the growing needs of the Library. In 1877 Barclay Hall, a dormitory, was erected by friends of the College. The Mechanical Laboratory was established in 1884, and was provided with a new building in 1890; this was burned down in 1896, and Whitall Hall, a new three-story structure, was built. The old Biological Laboratory was established in 1886; Chase Hall for lectures and recitations, and the old Physical Laboratory were built in 1888. The Cricket Shed was erected in 1893. In more recent years, during a period of rapid development made possible largely by the general and unfailing co-operation of the alumni, the following additions have been made to the College equipment: in 1899, the Logan and Norris sections of Lloyd Hall, a dormitory; in 1900, a large and well-equipped Gymnasium; in 1903, Roberts Hall, the gift of Lucy Branson Roberts, with College offices and a large auditorium; in 1903, Merion Hall, a dormitory, remodeled from the old Haverford Grammar School building; in 1905, an additional wing to Founders Hall for dining halls and kitchen; in 1906, a permanent building for the heating and lighting plant; in 1907, the enlargement of Merion Hall; in 1909, the Haverford Union, a building presented by Alfred Percival Smith, '84; in 1910, the Chemical Laboratory; in 1912, the Morris Infirmary, given by John T. Morris, '67; in 1913, a new section of Lloyd Hall, given by the estate of the late Justus C. Strawbridge, and a concrete grandstand, the gift of Horace E. Smith, '86; in 1916, the Smith section of Lloyd Hall, from the same donor, and the Kinsey section; in 1917, Isaac Sharpless

HISTORY AND DESCRIPTION

Hall, for biology and physics. In addition to these College buildings there are a number of residences on the grounds which are occupied for the most part by professors.

The College has a pleasant and healthful location in the township of Haverford, Delaware County, Pennsylvania, nine miles west of the center of Philadelphia. It is accessible by the main line of the Pennsylvania Railroad and by the Philadelphia and Western Railway. The selection of this site is thus described by the first managers: "We wished to procure a farm in a neighborhood of unquestionable salubrity—within a short distance of a Friends' meeting—of easy access from this city at all seasons of the year . . . recommended by the beauty of the scenery and a retired situation." And they reported that they had purchased for the sum of \$17,865 "an oblong tract of 198½ acres . . . nearly south of the *eight mile* stone on the Lancaster Turnpike." This property has since been increased to two hundred and twenty-five acres with an estimated present value of over one and one-half million dollars. While a portion is retained as farm and woodland, a lawn of sixty acres was long ago graded and tastefully planted with trees and shrubs by a landscape gardener, so that the natural beauty of the location has increased with passing years. The grounds include five fields for cricket, baseball, American Rugby and association football, a running-track, six tennis courts, and a pond for skating.

Parallel with its material growth there have been changes in the inner life of the College which have affected the methods of administration rather than the essential principles on which the institution was founded. It has gradually increased in number of students, but still enjoys the advantages of a small college. From the first it gave

HAVERFORD COLLEGE

instruction of collegiate scope and grade. Accordingly, in 1856, the name was changed from *school* to *college* and the right to confer degrees was granted by the Legislature. In 1861 the preparatory department was abolished. General courses are now given in arts and science. The endowment for salaries and pensions enables the College to maintain a faculty of unusual size in proportion to the number of students, and to expend for the instruction, board, and lodging of each student about twice the sum which he pays.

In accordance with the modern ideals of religious and moral education, the students enjoy ample liberty, safeguarded by their wholesome physical life, by the traditions of the College, and by the intimate association with their professors and fellow students. The deep religious spirit bequeathed by the Quaker founders has been carefully cherished and high ideals of life and conduct are maintained; three times a month the College attends Friends' meeting in a body. In the admission of students and in the appointment of instructors there are no denominational distinctions. The aims of Haverford have been gradually developing and its function is becoming more and more clear—"to encourage the growth, among a limited number of young men, of vigorous bodies, scholarly minds, strong characters, and a real religious experience."

CORPORATION

President

ASA S. WING.....409 Chestnut St., Phila.

Secretary

J. STOGDELL STOKES.....Summerdale, Phila.

Treasurer

J. HENRY SCATTERGOOD.....355 Bourse Building, Phila.

BOARD OF MANAGERS

President, ex officio

ASA S. WING.....409 Chestnut St., Phila.

Secretary

MORRIS E. LEEDS.....4901 Stenton Ave., Germantown, Phila.

HAVERFORD COLLEGE

Term Expires 1922

GEORGE VAUX, JR.	1606 Morris Building, Phila.
FREDERIC H. STRAWBRIDGE	801 Market St., Phila.
JONATHAN M. STEERE	Girard Trust Co., Phila.
L. HOLLINGSWORTH WOOD	20 Nassau St., New York City, N. Y.
STANLEY RHODS YARNALL	Germantown Ave. and Coulter St., Germantown, Phila.
HENRY M. THOMAS	1228 Madison Ave., Baltimore, Md.
WILLIAM WISTAR COMFORT	Haverford, Pa.
RICHARD M. GUMMERE	8 South Twelfth St., Phila.

Term Expires 1923

WILLIAM H. HAINES	1136 Ridge Ave., Phila.
FRANCIS A. WHITE	607 Keyser Building, Baltimore, Md.
JOHN M. WHITALL	410 Race St., Phila.
MORRIS E. LEEDS	4901 Stenton Ave., Germantown, Phila.
EDWARD W. EVANS	304 Arch St., Phila.
HENRY COPE	Awbury, Germantown, Phila.
T. CHALKLEY PALMER	R. F. D. No. 2, Media, Pa.
RICHARD D. WOOD	626 Chestnut St., Phila.

Term Expires 1924

JAMES WOOD	Mt. Kisco, N. Y.
ABRAM F. HUSTON	Coatesville, Pa.
THOMAS F. BRANSON	Rosemont, Pa.
SETH K. GIFFORD	Moses Brown School, Providence, R. I.
CHARLES J. RHODS	1914 S. Rittenhouse Sq., Phila.
DANIEL SMILEY	Mohonk Lake, N. Y.
ARTHUR H. THOMAS	W. Washington Sq., Phila.
WILLIAM A. BATTEY	Stephen Girard Building, Phila.

STANDING COMMITTEES OF THE BOARD OF MANAGERS

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Librarian and Associate Professor of Latin

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HAVERFORD COLLEGE

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Assistant in Chemistry

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ADMISSION

Preliminary correspondence concerning admission to the College is invited, and should be addressed to the President, who will be glad to advise with candidates regarding their preparatory course. Candidates for admission to the Freshman Class shall make application on a blank which will be furnished on request. (See page 81). It is well to make application two or three years in advance, as the number of students accepted is strictly limited by the present dormitory space.

Each candidate shall also present a certificate of character from the principal of the school last attended. Principals are requested to write fully as to the character, habits, and ability of applicants. Such statements, as well as other pertinent information which may be sought by the College, will have due weight in determining the admission of candidates.

The subjects which may be presented for admission are divided into two groups in accordance with the following table. The figures given represent "units" according to the system of the Carnegie Foundation.*

Group I (required of all candidates):

English A	}	
English B	}	3
Mathematics A 1	}	
Mathematics A 2	}	2
Mathematics C		1
One History		1

* "A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. A four years' secondary school curriculum should be regarded as representing not more than sixteen units of work."

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Group II (elective):

Latin 1.....	1
Latin 2 or 6.....	1
Latin 3*.....	2
Latin 4.....	1
Latin 5.....	1
Elementary Greek (Greek A and B or Greek Cp2).....	2
Advanced Greek (Greek C, F and H).....	1
German A (Cp2).....	2
German B.....	1
French A (Cp2).....	2
French B.....	1
Spanish A (Cp2).....	2
Botany.....	1
Chemistry.....	1
Histories, each.....	1
Physics.....	1
Physiology.....	1
Bible.....	1
Mathematics D.....	$\frac{1}{2}$
Mathematics F.....	$\frac{1}{2}$

Every student must present for admission subjects having a total value of 15 units, arranged as follows:

For the A.B. degree:

All subjects in Group I.....	7
Latin 1, 2 (or 6), 4, 5.....	4
(Or Greek, 3 units)	
Other subjects from Group II (including one language).....	4
(Or, with Greek, 5 units)	

* Latin 3 must be taken by those who offer only 2 units in Latin and may be taken by no others.

HAVERFORD COLLEGE

For the S.B. degree:

All subjects in Group I.....	7
Subjects from Group II (including at least four units in the languages).....	8

The candidate may give evidence of his preparation in these requirements by either of the following plans for admission:

I. *By Examination only.* The candidate must take entrance examinations in *all* the subjects which he presents for admission. He may take examinations in any of these subjects as preliminary examinations a full year or more before he intends to enter college, but for preliminary examinations only those of the College Entrance Examination Board are accepted. The examinations taken may be either the ordinary examinations or the equivalent comprehensive examinations.

Students unable to pass all the examinations may be admitted with a few conditions. Each case will be decided on its merits.

II. *By both Examination and Certificate.* This system may be employed by school graduates only. The graduate must present, on blanks supplied by the College and signed by the principal of the school which he has attended, a complete record of his work on all subjects during the last four years of preparation, with the time spent and the grade received in each study. This work is expected to include the subjects with a total value of 15 units prescribed on the preceding page.

He must also take entrance examinations in three subjects—English, Mathematics, and one foreign language. The English will be the examination defined as English

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B. The mathematics will be both Mathematics A2 and Mathematics C. The language required will be, for the A.B. degree, either Latin 2, 4, 5 or Elementary and Advanced Greek; for the S.B. degree, Latin 3 or Elementary Greek or German A or French A or Spanish A. In June, at the option of the candidate, comprehensive examinations may be substituted entirely or in part for the ordinary examinations: For English B, English Cp; for Mathematics A2 and Mathematics C, Mathematics Cp3; for Latin 2, 4, 5, Latin Cp4; for Elementary and Advanced Greek, Greek Cp3; for Latin 3, Latin Cp2; for Elementary Greek, Greek Cp2; for German A, German Cp2; for French A, French Cp2; for Spanish A, Spanish Cp2. As Mathematics A2 and Mathematics C are combined in one comprehensive examination three comprehensive examinations may thus be taken instead of the four ordinary examinations. These examinations must all be taken *and passed at one time* either in June or September.

On the basis of his certificate and his marks in these examinations the applicant will be either admitted without conditions or rejected with permission to apply again for admission according to either plan.

This plan is intended mainly for good students, who, deciding late in their school courses to enter Haverford, would find it difficult to prepare themselves for examination in all their entrance subjects, but could readily pass a good examination in three fundamental subjects of their school course and present a satisfactory certificate for all of it. Candidates of only average ability and those who can take preliminary examinations in regular order will gain nothing by adopting this plan.

HAVERFORD COLLEGE

Advanced Standing.—On account of limited accommodations it is usually impossible to admit students to other than the Freshman class.

SCHEDULE OF EXAMINATIONS FOR ADMISSION

Applicants for admission to the Freshman Class are expected to take the examinations held by the College Entrance Examination Board in June in many cities. Those who pass these examinations in June will receive first consideration for all Freshman scholarships and for the limited accommodations annually reserved for Freshmen. For information with regard to these examinations address The College Entrance Examination Board, 431 West 117th Street, New York City.

COLLEGE ENTRANCE EXAMINATION BOARD

Examinations, June 19-24, 1922

The application for examination must be addressed to the College Entrance Examination Board, 431 West 117th Street, New York City. It must be made upon a blank form to be obtained from the Secretary of the Board upon request.

The examination fee for 1922 will be \$9.00 for candidates examined in the United States and Canada, if the application is received sufficiently early. The fee, which must accompany the application, should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board.

Applications and fees of candidates who wish to be examined outside of the United States and Canada must reach the Secretary of the Board at least six weeks in advance of the first day of the examinations, that is, on or before May 8, 1922. In such cases the fee is \$20.00.

ADMISSION

Applications and fees of candidates who wish to be examined in the United States at points west of the Mississippi River, or in Canada, must be received at least four weeks in advance of the first day of the examinations, that is, on or before May 22, 1922.

Applications and fees of candidates who wish to be examined in the United States at points east of the Mississippi River or on the Mississippi River must be received at least three weeks in advance of the first day of the examination, that is, on or before Monday, May 29, 1922.

When the candidate has failed to obtain the required blank form of application for examination, the usual examination fee will be accepted if the fee arrive not later than the specified date accompanied by a memorandum containing the name and address of the candidate, the exact examination center selected, and a list of all the subjects in which he may have occasion to take the Board examinations.

Applications received later than the dates named will be accepted when it is possible to arrange for the admission of the candidates concerned, but only upon the payment of an additional fee.

Detailed definitions of the requirements in all examination subjects are given in a circular of information published annually by the Board. The edition published August 1, 1921, is designated as Document No. 101. Upon request a single copy of this document will be sent to any teacher without charge. In general, a charge of twenty cents, which may be remitted in postage, will be made.

A list of the places at which the examinations are to be held by the Board in June, 1922, will be published about

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March 1. Requests that the examinations be held at particular points, to receive proper consideration, should be transmitted to the Secretary of the Board not later than February 1.

HAVERFORD EXAMINATIONS

Special Haverford examinations are held in September at the College for the convenience of emergency cases. They may not be taken as preliminary examinations. No applicant should deliberately postpone his examination until September, as no assurance can be given that he will be admitted if the capacity of the College has already been reached.

Applicants from the public high schools of New York State may also be admitted upon presentation of satisfactory credits certified by the Regents of the State of New York; but the class entering in September, 1923, will be the last to which this privilege is extended.

REQUIREMENTS FOR ADMISSION IN THE SEVERAL SUBJECTS ENGLISH *

The requirement in English is that recommended by the National Conference on Uniform Entrance Requirements in English.

REQUIREMENT FOR 1920-1922 †

The study of English in school has two main objects, which should be considered of equal importance: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation, and the development of the habit of reading good literature with enjoyment.

* Reprinted from Document 93 of the College Entrance Examination Board.

† The requirement for 1923-1925 differs considerably from that given here. The documents issued by the College Entrance Examination Board should be consulted by those interested.

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Grammar and Composition.

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, sentences, and paragraphs should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise letter-writing, narration, description, and easy exposition and argument. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instructions in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

Literature.

The second object is sought by means of the reading and study of a number of books from which may be framed a progressive course in literature. The student should be trained in reading aloud and should be encouraged to commit to memory notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads, and with their place in literary history. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

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A few of these books should be read with special care, greater stress being laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions.

EXAMINATION, 1920-1922

However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

Grammar and Composition.

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, and those good usages of modern English which one should know in distinction from current errors. The main test in composition will consist of one or more essays developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections. He will not be expected to write more than four hundred words an hour.

Literature.

The examination will include:

A. Questions designed to test such knowledge and appreciation of literature as may be gained by an intelligent reading of the books given in List A below.

B. A test on the books in List B below. This will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and

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allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

Division of Examination.

When parts *A* and *B* of the examination are taken at different times, each will include a test in grammar and composition.

LIST OF BOOKS, 1920-1922

A. Books for Reading

The books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except that for any book in GROUP I a book from any other may be substituted.

Group I.—Classics in Translation.

The Old Testament, at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther.

The Odyssey, with the omission, if desired, of Books I-V, XV, and XVI.

The Æneid.

The Odyssey and the Æneid should be read in English translations of recognized literary excellence.

Group II.—Drama.

Shakspeare: Merchant of Venice.

As You Like It.

Julius Cæsar.

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Group III.—Prose Fiction.

Dickens: *A Tale of Two Cities*.

George Eliot: *Silas Marner*.

Scott: *Quentin Durward*.

Hawthorne: *The House of the Seven Gables*.

Group IV.—Essays, Biography, etc.

Addison and Steele: *The Sir Roger de Coverly Papers*.

Irving: *The Sketch Book*—selections covering about 175 pages.

Macaulay: *Lord Clive*.

Parkman: *The Oregon Trail*.

Group V.—Poetry.

Tennyson: *The Coming of Arthur, Gareth and Lynette, Lancelot and Elaine, The Passing of Arthur*.

Browning: *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus*.

Scott: *The Lady of the Lake*.

Coleridge: *The Ancient Mariner*, and Arnold: *Sohrab and Rustum*.

B. Books for Study

The books provided for study are arranged in four groups, from each of which one selection is to be made.

Group I.—Drama.

Shakspere: *Macbeth, or Hamlet*.

Group II.—Poetry.

Milton: *L'Allegro, Il Penseroso, Comus*.

Book IV of *Palgrave's Golden Treasury (First Series)*, with special attention to Wordsworth, Keats, and Shelley.

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Group III.—Oratory.

Burke: Speech on Conciliation with America.

Washington's Farewell Address, Webster's First Bunker Hill Oration, and Lincoln's Gettysburg Address.

Group IV.—Essays.

Macaulay: Life of Johnson.

Carlyle: Essay on Burns, with a brief selection from Burns's Poems.

THE COMPREHENSIVE EXAMINATION IN ENGLISH

The purpose of this examination will be to test the ability of the candidate to define clearly, in writing, ideas gained both from books and from the life around him, and to read with accuracy and appreciation literature as varied in subject matter and form as that listed under "Uniform Entrance Requirements in English." Accuracy in the technique of writing will be insisted upon, but no paper will be considered satisfactory which does not show, in addition to this accuracy, that the student is able to think for himself and to apply what he has learned to the solution of unexpected problems. Although knowledge of the subject matter of the particular books prescribed in the "Uniform Entrance Requirements in English" is not necessary, yet the requisite ability cannot be gained without a systematic and progressive study of good literature.

A candidate for admission to Haverford "by examination only" (see above, p. 18) is required to take the examinations designated as English A and English B, as given by the College Entrance Examination Board or by Haverford College.

A candidate whose certificate entitles him to apply for admission "by both examination and certificate" (see

HAVERFORD COLLEGE

above, p. 18) may take either English B or the Comprehensive Examination in English. The latter is given only by the College Entrance Examination Board; while difficult, it does offer certain advantages to one whose study of literature has not been based on the books listed for special study in English B.

MATHEMATICS

The definition of the requirements in Mathematics is the same as that of the College Entrance Examination Board.

In each subject stress will be laid upon accuracy and neatness of work. Results should be verified.

Mathematics A1—Algebra: to Quadratics.

The four fundamental operations for rational algebraic expressions.

Factoring, determination of highest common factor and lowest common multiple by factoring.

Fractions, including complex fractions, and ratio and proportion.

Linear equations, both numerical and literal, containing one or more unknown quantities.

Problems depending on linear equations.

Radicals, including the extraction of the square root of polynomials and of numbers.

Exponents, including the fractional and negative.

Mathematics A2—Algebra: Quadratics and beyond.

Quadratic equations, both numerical and literal.

Simple cases of equations, with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations.

Problems depending on quadratic equations.

The binomial theorem for positive integral exponents.

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The formulas for the n th term and the sum of the terms of arithmetical and geometrical progressions, with applications.

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial affairs. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

Mathematics C—Plane Geometry.

The usual theorems and constructions of good textbooks, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle.

The solution of numerous original exercises, including problems in loci.

Applications to the mensuration of lines and plane surfaces.

Mathematics D—Solid Geometry.

The usual theorems and constructions of good textbooks, including the relation of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle.

The solution of numerous original exercises, including problems in loci.

Application to the mensuration of surface and solids.

Mathematics F—Plane Trigonometry.

Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles.

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Proofs of the principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas.

Solution of trigonometric equations of simple character.

Theory and use of logarithms (without the introduction of work involving infinite series).

The solution of right and oblique triangles, and practical applications.

HISTORY

A. *Ancient History*, with special reference to Greek and Roman history, and including also a short introductory study of the more ancient nations and the chief events of the early Middle Ages down to the death of Charlemagne.

B. *Medieval and Modern European History*, from the death of Charlemagne to the present time.

C. *Modern History*.

D. *English History*.

E. *American History*.

G. *American History and Civil Government*.

Each of the above subjects is intended to represent one year of historical work wherein the study is given five times a week, or two years of historical work wherein the study is given three times a week.

The work should include the use of good text-books, collateral reading, practice in written work, and in locating places and movements on outline maps. The candidate should be trained in comparison and in the use of judgment as well as in the use of memory.

ADMISSION

LATIN *

I. AMOUNT AND RANGE OF THE READING REQUIRED

(1) The Latin reading, without regard to the prescription of particular authors and works, shall be not less *in amount* than Cæsar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Æneid, I-IV.

(2) The amount of reading specified above shall be selected by the schools from the following authors and works: Cæsar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Æneid) and Ovid (Metamorphoses, Fasti, and Tristia).

II. SCOPE OF THE EXAMINATIONS

(1) *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, construction, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

(2) *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading:

In 1921 and 1922. Cicero, the third oration against Catiline and the orations for Archias and Marcellus; Vergil, Æneid, II, III, and VI.

In 1923, 1924, and 1925. Cicero, the fourth oration against Catiline and the oration for the Manilian Law; Vergil, Æneid, I and IV; Ovid, Metamorphoses, Book III, 1-137 (Cadmus); IV, 55-166 (Pyramus and Thisbe), and 663-764 (Perseus and Andromeda); VI, 165-312 (Niobe); VIII, 183-235 (Dædalus and Icarus); X, 1-77 (Orpheus and Eurydice); XI, 85-145 (Midas).

* Reprinted from Document 93 of the College Entrance Examination Board.

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Accompanying the different passages will be questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

(3) *Grammar and Composition.* The examination in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose.

III. SUBJECTS FOR EXAMINATION

- (a) *Exclusively for those who offer only 2 units in Latin.*
The 2 units may be offered in no other way.

Second Year Latin (Latin 3). This examination will presuppose reading not less in amount than Cæsar, Gallic War, I-IV, selected by the schools from Cæsar (Gallic War and Civil War), and Nepos (Lives); but the passages set will be chosen with a view to sight translation. The paper will include easy grammatical questions and some simple composition.

- (b) *For those who offer 4 units in Latin (or 3 units, if the Vergil or Cicero be omitted).*

Grammar (Latin 1).

Elementary Prose Composition (Latin 2) or Advanced Prose Composition (Latin 6).

Cicero and Sight Translation of Prose (Latin 4).

Vergil and Sight Translation of Poetry (Latin 5).

In Latin 1, 2, 4, and 6, the examination will presuppose the reading of the required amount of prose (see I, 1 and

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2), including the prose works prescribed (see II, 2); the examination in Latin 5 will presuppose the reading of the required amount of poetry, including the poetical works prescribed.

GREEK

Elementary Greek, admitting to Greek 1.

A. 1. *Greek Grammar*.

2. *Greek Composition*. Translation into Greek of short sentences illustrating common principles of syntax.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

B. *Xenophon's Anabasis, Books I-IV*.

Advanced Greek, admitting to Greek 2.

C. *Homer's Iliad, Books I-III* (omitting Book II, 494-end), and the Homeric forms, constructions, idioms, and prosody.

F. *Prose composition*, consisting of continuous prose based on Xenophon and other Attic prose of similar difficulty.

H. *Translation of passages of Homer at sight*.

GERMAN

German A, admitting to German 1. A knowledge of German grammar and vocabulary sufficient to enable the candidate to translate at sight into idiomatic English easy passages taken from modern German prose; to write out typical declensional and conjugational paradigms and such other grammatical forms as are usually given in school grammars; and to translate into German simple English sentences or a piece of easy connected prose.

Candidates should have read in preparation not less than three hundred pages of modern German, including reading at sight, from the works of at least three different authors.

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German B, admitting to German 2. A more thorough knowledge of grammar, vocabulary and idiom than that required for German A, enabling the candidate to read at sight more difficult prose as well as poetry, and to translate into German a number of English sentences or a piece of connected prose requiring both appreciation of the English idiom and knowledge of the corresponding German idiom. The work done in German 1 (see page 45) will be considered adequate for preparation.

Students presenting themselves for examination in German B will not be given credit for it unless they pass also the examination in German A.

Students who fail in the examination in German A will not be allowed to enter German 1 without special permission of the instructor; students who fail in the examination in German B will not be permitted to present themselves for re-examination in German B if they have taken German in college.

FRENCH

French A, admitting to French 1. (a) Proficiency in elementary grammar including the more common irregular verbs. (b) Ability to translate simple French prose and to put into French short sentences requiring a knowledge of the simpler idioms. Candidates should have read in preparation not less than three hundred pages, including reading at sight, from the works of at least three different authors.

French B, admitting to French 2. (a) Thorough knowledge of the fundamentals of grammar. (b) Ability to translate ordinary French of the nineteenth century. (c) Command of idiom sufficient to put into French a connected passage of simple English prose. As preparation

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an equivalent of the work done in French 1 (see page 46) is adequate.

Students who have presented themselves for examination in French B will not be given credit for it unless they have passed also the examination in French A.

SPANISH

Two examinations, Spanish A and Spanish B, are offered, and the requirements are identical with those given above for French A and French B.

BOTANY

The requirement will be one year's text-book and laboratory work. The student will be expected to have a fairly definite knowledge of the seed and seedling, root, stem, and leaf, the flower and fruit, the cell, and the natural history and classification of plants.

CHEMISTRY

The requirements in chemistry will comprehend systematic instruction in the occurrence, preparation, properties and uses of some of the commoner elements, including hydrogen, oxygen, carbon, chlorine, sulfur and nitrogen, and their compounds, together with an adequate course of experiments performed by the student.

PHYSICS

The requirement will be one year's work, covering mechanics, sound, heat, light, magnetism, and electricity. Emphasis will be laid upon the solution of problems. At least two hours per week of laboratory work must be included.

PHYSIOLOGY

The requirement will be one year's work, and will cover the general principles of the subject; functional activity

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of muscular, nervous, epithelial, and connective tissues; the digestive, circulatory, and respiratory systems, and the special senses.

BIBLE

The requirement in Biblical subjects is in accord with the recommendations of The Commission on the Definition of a Unit of Bible Study for Secondary Schools, and gives an option of three types of courses, each the equivalent of four hours of recitation per week for twenty weeks, any two of which may be offered as a minimum requirement. These may be described briefly as:

I. A course comparable as to method with courses in English Literature followed with students of the same grade which shall cover sixty narrative and poetic passages in the Old Testament as specified.

II and III. Courses comparable as to method with courses in European and American history followed with students of the same grade in the political, social, and cultural development of the Hebrew people from 1200 B. C. to 70 A. D.,

or, The development of Christianity from the reign of Augustus to the persecution of Christianity under Domitian.

COURSE OF STUDY

The course of study includes both required and elective subjects, thus combining the breadth of knowledge and culture that comes from variety of studies with opportunity for concentration on limited fields. In addition to a general course in arts or in science, by proper choice of electives more specialized courses can be taken in mechanical engineering, in electrical engineering, or in the preparatory work required for admission to medical schools.

REQUIREMENTS

Languages. English and courses in two foreign languages must be taken in Freshman year. Candidates for the A.B. degree must continue either Greek or Latin through

COURSE OF STUDY

Freshman and Sophomore years. Either Latin 2 or Greek 1 must be completed for the A.B. degree. Candidates for the S.B. degree must continue either French or German through both Freshman and Sophomore years. English D is required as an extra course of Sophomores whose work in composition for English 1 falls below a certain standard.

Mathematics and Science. Mathematics 1 and 1' must be taken in Freshman year. One course in laboratory science is required before graduation. Candidates for the A.B. degree must take *one* course from the group *biology, chemistry, physics, and mathematics* after Freshman year. Candidates for the S.B. degree must take *two* courses from the group *biology, chemistry, physics, and mathematics* after Freshman year.

Economics, History, Biblical Literature, Psychology and Ethics. The required courses in these subjects are specified on page 38.

Majors and Minors. In order to encourage proper concentration it is required that after Freshman year at least three full courses be taken in one department and at least two full courses in each of two other departments. The three courses must be distributed over at least two years. In fulfilment of this requirement no account shall be taken of courses intended primarily for Freshmen (namely, Biology 1a, Engineering 1 and 1', English 1, French A, German A, Mathematics 1 and 1', Physics A) even though these courses be taken after Freshman year.

Maximum and Minimum Schedule. The minimum schedule for any student is five courses, except that, in addition, Sophomores are required to take Physical Training and Freshmen are required to take Physical Training and Biology 1a. Not more than one additional course may be taken in any half-year, except by special permission of the Dean.

Conflicting Courses. A student is not allowed to elect conflicting courses, except with the permission of the Dean and the two instructors concerned.

CURRICULUM

Freshman Year

English 1

Two from { Latin A or 1
Greek A, 1, or 2
German A, 1, or 2
French A, 1, or 2

Mathematics 1 and 1'

One from { Chemistry A or B
Physics A
Engineering 1
History 1

Physical Training (Biology 1a in first quarter)

Sophomore Year

English D if required

History 2a* and Economics 1b

One of the languages taken in Freshman year

Three full-year courses from { Greek A, B, 1, 2, or 6b
Latin A, 1, or 2
French A, 1, or 2
German A, 1, or 2
Biology 2
Chemistry A, B, 2, 3, or 4
Physics 1
Mathematics 2
Engineering 2, 6b
Sociology 1
History 1, 5 (prerequisite History 1)
English 10b, 12a, 16a
Astronomy 1a, 1b

Physical Training

Junior Year

Biblical Literature 1a or 4a, and Philosophy 1b; four elective courses.

Senior Year

Philosophy 5a; four and one-half elective courses.

* Students who have passed American History in preparatory school or have passed history 1 may substitute for History 2a an elective from the list below.

SCHEDULE OF CLASSES FOR THE YEAR 1922-1923

Courses enclosed in parentheses are not offered in 1922-23.

a=first half-year. b=second half-year. Eng.=English. Engin.=Engineering.

Classes in Biblical Literature 1a, Economics 1b, English 1, French 2, Mathematics 1 and 1' and History 2a are divided and meet in two sections. The sections of a divided class are distinguished by affixed superior numbers, as Economics 1b¹, Economics 1b², etc. For additional courses offered, see note at foot of schedule.

	8.30	9.30	10.30	11.30	12.30	1.00	1.30	2.00	3.00	4.00
MONDAY	Math. 1c' (Economics 2a) Phil. 2a, 3b Chem.(4), 5a, 6b Engin. 4a Biol. 8a, 9b Eng. 10b, 16a	Economics 1b ¹ German 1 Greek 1 French 2 ¹ History 2a ¹ French (3), 4 Physics 3 History 4 Eng. 8a(7b), 11b	Physics A Spanish (A), 1 Chemistry B, 2 —Chemistry (Astron. 1a, 2b) History 1 German 3, (4) Philosophy 4	Chemistry A A, B Laboratory History 3b Econ. 4b, 6a (Biology 6a) Greek 6b (History 10b) Engineering 10					English 1 ¹ , 1 ² Latin 2 History (5)	Bib. Lit. 1a ¹ , 4a Economics 1b ² Latin 1 Philosophy 1b History 2a ³ Philosophy 5a
TUESDAY	Greek B (Geology 1b) Math. 1, 1' German 2 Chemistry 3 Econ. 3b, 7a Biol. 10a, 11b Engin. 2a, 6b	French 1 Physics 1 (Sociology 1a, 2b) Bib. Lit. 2b French 2 ² Math. 4 History 6 Biology 7 English 5a, 6b	French A German A Greek A Bib. Lit. 1a ² Math. 2 Bib. Lit. 3b Math. 3 Eng. 12a (13a) Eng. 14b (15b)	Chemistry A Biology 2 History 3b Econ. 4b, 6a Greek 6b Engineering 10 (History 10b)					Chem. A, B, 2, 3(4) Engin. 1, 2, 3a, 6b Biology 2, (3), 5	(4) Laboratory Laboratory Laboratory
WEDNESDAY	Math. 1c' (Economics 2a) Phil. 2a, 3b Engin. 4a, 5b Biol. 8a, 9b Eng. 10b, 16a	Economics 1b ¹ German 1 Greek 1 French 2 ¹ History 2a ¹ French (3), 4 Physics 3 History 4 Eng. 8a(7b), 11b	Physics A Spanish (A), 1 Chemistry B (Astron. 2b) History 1 German 3, (4) Philosophy 4	Bib. Lit. 1a ¹ , 1a ² Economics 1b ² Latin 1 Philosophy 1b History 2a ² Philosophy 5a					English 1 ¹ , 1 ² —Physics 1 L Latin 2	Biology 1a Laboratory Biology (3), 5 Bib. Lit. 4a Laboratory
THURSDAY	Greek B (Geology 1b) Math. 1, 1' German 2 Chemistry 3 Econ. 3b, 7a Biol. 10a, 11b Engin. 2a, 6b	French 1 Physics 1 (Sociology 1a, 2b) Bib. Lit. 2b French 2 ² Math. 4 History 6 Biology 7 English 5a, 6b	French A German A Greek A Bib. Lit. 1a ² Math. 2 Bib. Lit. 3b Math. 3 Eng. 12a (13a) Eng. 14b (15b)	Meeting 11.45-12.45 but omitted on the next to the last Thursday in each month.					Chem. A, B, 2, 3 (4) Engin. 1, 2, 3a, 6b Biology 2, (3), 5	(4) Laboratory Laboratory Laboratory
FRIDAY	Math. 1, 1' (Economics 2a) Phil. 2a, 3b Chem.(4), 5a, 6b Engin. 4a, 5b Biol. 8a, 9b Eng. 10b, 16a	—Physics Economics 1b ¹ German 1 Greek 1 French 2 ¹ History 2a ¹ French (3), 4 Physics 3 History 4 Eng. 8a(7b), 11b	A Lab. (2) hours required) Spanish (A), 1 Chemistry B, 2 —Chemistry A, (Astron. 1a, 2b) History 1 German 3, (4) Philosophy 4 —(Biology	Chemistry A B, 2, 3 Laboratory History 3b Econ. 4b, 6a (6a Laboratory) Greek 6b (History 10b) Engineering 10					English 1 ¹ , 1 ² Latin 2 History (5)	Bib. Lit. 1a ¹ , 4a Economics 1b ² Latin 1 Philosophy 1b History 2a ³ Philosophy 5a
SATURDAY	Greek B (Geology 1b) Math. 1, 1' German 2 Econ. 3b, 7a Biol. 10a, 11b	French 1 Physics 1 (Sociology 1a, 2b) Bib. Lit. 2b French 2 ² Math. 4 History 6 Biology 7 English 5a, 6b	French A German A Greek A —Engin. 1, 2, 3a Math. 2 Bib. Lit. 3b Math. 3 Eng. 12a (13a) Eng. 14b (15b)	Chemistry A 3a Laboratory Biology 2					Dinner	The following unscheduled courses are offered, the hours for which will be arranged to suit the schedules of the students electing them: Greek 2, 3, 4, 5; Latin A, 3, 4, 5, 6, 7; English D; Mathematics 1c, 2c, 3c, and 5 to 9 inclusive; Economics 5b; Philosophy 6; Biology 4; Physics 2, 4, 5, 10; Engineering 3b, 5b Laboratory, 11.

COURSES OF INSTRUCTION

(Unless otherwise indicated all courses are offered in 1922-23.)

GREEK

Either Greek 1 and 2 (or A and 1) or Latin 1 and 2 are required of candidates for the A.B. degree in Freshman and Sophomore years respectively. Students presenting two units of Greek for entrance (see page 17) will be admitted to Greek 1; those presenting three units may be admitted to Greek 2.

For New Testament Greek see Biblical Literature 4a.

A. *Course for Beginners.* Thorough study of the elements of the language, followed by the reading of simple Attic prose. This course gives adequate preparation for Greek 1. Students who do not present Greek for admission and desire to begin the study in College are strongly advised to elect Greek A in Freshman year, if possible, rather than later.

MR. POST; 4 hours.

B. *Homer for Beginners.* This course is intended for those who wish to derive a maximum of benefit from one year of Greek study. After a brief survey of Homeric grammar the reading of Homer is begun and continued through the year. Translations are read, and selected passages of the Greek text are studied with a view to acquiring an appreciation of the Iliad as a literary masterpiece. While no stress is laid in this course on linguistic study, students who have completed it will, in special cases, be admitted to Greek 1 or to Biblical Literature 4a.

MR. POST; 3 hours.

COURSES OF INSTRUCTION

1. *Freshman Greek*. A rapid reading course in such authors as Homer, Herodotus, Euripides and Plato.

MR. POST; 3 hours.

2. *Sophomore Greek*. History of Greek literature. Menander, Aristophanes and the tragedians are read.

MR. POST; 3 hours.

3. *Advanced Greek*. The instructor will arrange with students electing this course for systematic study of special subjects in Greek history, philosophy or literature in connection with the reading of Greek authors.

MR. POST; 3 hours.

4. *Advanced Greek*. A continuation of the work done in Greek 3.

MR. POST; 3 hours.

5. *Advanced Greek Prose Composition*. This course should be taken by all candidates for honors in Greek.

MR. POST; 3 hours, either half-year.

6b. *Greek Literature in English*. Lectures on Greek literature. Reading of Greek classics in translation. Essays and discussions. This course is intended primarily for students of literature who have not taken Greek 2. For the purpose of calculating majors and minors, it may be counted as a course in English.

MR. POST; 3 hours, second half-year.

LATIN

Either Latin 1 and 2 or Greek 1 and 2 (or A and 1) are required of candidates for the A.B. degree in Freshman and Sophomore years respectively. All Latin courses are open as electives to those properly qualified.

A. *Preparatory Latin*. Cicero and Vergil, as for entrance requirements.

PROFESSOR LOCKWOOD; 3 hours.

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1. *Freshman Latin*. Roman literature—Part I. The Republic and the Augustan Age. Reading of selections from Plautus, Terence, Cicero, Catullus, Vergil, and Horace. Translation at sight.

PROFESSOR LOCKWOOD; 3 hours.

2. *Sophomore Latin*. Roman literature—Part II. The Augustan Age and the Empire. Reading of selections from Livy, Seneca, Pliny, Martial, Juvenal, and Tacitus. Translation at sight.

PROFESSOR LOCKWOOD; 3 hours.

3a or 3b. *Advanced Prose Composition*. Open to those who have passed Advanced Composition, Latin 6, for entrance. This course may be repeated for full credit.

PROFESSOR LOCKWOOD; 3 hours, either half-year.

4. *Roman Literature*. Either the Novel (Petronius and Apuleius) or other authors and topics suited to the professional needs or special tastes of the students.

PROFESSOR LOCKWOOD; conferences equivalent to 3 hours.

5. *Roman Law*. Reading of the *Institutes* and selections from the *Digest*.

PROFESSOR LOCKWOOD; conferences equivalent to 3 hours.

6. *European Latin Literature*—Part I. Post-classical, Christian, and Medieval Latin literature from Suetonius to Dante.

PROFESSOR LOCKWOOD; conferences equivalent to 3 hours.

7. *European Latin Literature*—Part II. Renaissance and Modern Latin literature from Petrarch to the present day.

PROFESSOR LOCKWOOD; conferences equivalent to 3 hours.

COURSES OF INSTRUCTION

ENGLISH LANGUAGE AND LITERATURE

All Freshmen are required to take English 1. No student will be graduated who cannot write a creditable style extemporaneously.

1. *Freshman English*. COMPOSITION. Informal lectures, short weekly themes, and longer quarterly themes. Practice in oral exposition and in debate. Conferences. LITERATURE. Readings and discussions of types of literature; a rapid survey of English Literature from Chaucer to Tennyson.

PROFESSORS HINCHMAN and SNYDER; 3 hours.

D. *English Composition*. Required of Sophomores whose written work in English 1 has fallen below 70 per cent.

PROFESSOR SNYDER; 1 hour.

5a. *Argumentation and Debating*. Open to Seniors and Juniors, and by special permission to Sophomores.

PROFESSOR SNYDER; 3 hours, first half-year.

6b. *Advanced Composition*. Open to specially qualified Seniors, Juniors, and Sophomores.

PROFESSOR SNYDER; 3 hours, second half-year.

7b. *Early English*. Bright, *Anglo-Saxon Reader*; *Elene*.

PROFESSOR HINCHMAN; 3 hours, second half-year.
[Not offered in 1922-23.]

8a. *Middle English*. English literature in the thirteenth and fourteenth centuries. Chaucer, *Canterbury Tales*. English and Scottish ballads.

PROFESSOR HINCHMAN; 3 hours, first half-year.

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10b. *Elizabethan Literature*. Study of the chief literature of the Elizabethan period, with special reference to Shakspeare and the development of the drama. Two of Shakspeare's plays are read critically in class.

PROFESSOR HINCHMAN; 3 hours, second half-year.

11b. *Seventeenth Century Literature*. I. Bacon. II. The King James Bible. III. Milton.

PROFESSOR HINCHMAN; 3 hours, second half-year.

12a. *Eighteenth Century Literature*. I. Pope and his enemies. II. Dr. Johnson and his friends. III. Early English novelists. IV. Early English romantic poets. Lectures, classroom discussions, and frequent written tests.

PROFESSOR SNYDER; 3 hours, first half-year.

13a. *Nineteenth Century Poetry*. Interpretative analysis of poems selected from the works of Coleridge, Wordsworth, Scott, Shelley, Byron, Keats, Rossetti, Arnold, Tennyson, and Browning. Lectures, classroom discussions, and frequent written tests.

PROFESSOR SNYDER; 3 hours, first half-year.

[Not offered in 1922-23.]

14b. *Nineteenth Century Prose*. A rapid reading course in the works of the masters of modern English prose. More than half the semester is spent in studying the great novelists. Lectures, classroom discussions, and frequent written tests.

PROFESSOR SNYDER; 3 hours, second half-year.

15b. *The Contemporary Drama*. A study of the technique and practice of the modern drama, as illustrated in the works of Ibsen and the best modern dramatists of England and America.

PROFESSOR SNYDER; 3 hours, second half-year.

[Not offered in 1922-23.]

COURSES OF INSTRUCTION

16a. *American Literature.* A brief survey of American poetry and prose from early Colonial days to the present time, with more detailed study of Emerson, Longfellow, Whittier, Lowell, Hawthorne, and Poe.

PROFESSOR HINCHMAN; 3 hours, first half-year.

GERMAN

All German courses are elective for those who have satisfactorily completed the prerequisites.

Students wishing to qualify for German 1 may present a satisfactory certificate of their school instruction or may pass an examination in German A.

A. *Course for Beginners.* Grammar, conversation, and the reading of simple texts. Bacon, *Elements of German*.

DR. KELLY; 3 hours.

1. *Freshman German.* Review of grammar, conversation based on texts read in class, composition, and outside reading. Harris, *A German Grammar*; Whitney and Stroebe, *Easy German Composition*.

DR. KELLY; 3 hours.

2. *Sophomore German.* Reading of standard works of German literature. Outside reading includes literary criticisms in German of works read in class. Composition.

DR. KELLY; 3 hours.

3. *The Classical Period of German Literature.* Study of major works of Lessing, Goethe, and Schiller. Lectures. A paper is required each half-year presenting the results of fairly exhaustive research on some important topic of eighteenth century literature.

DR. KELLY; 3 hours.

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4. *Modern German Literature.* The drama is studied during the first term, with special reference to Kleist, Grillparzer, Hebbel, and Hauptmann. The second term is devoted to the study of the *Roman* and the *Novelle*; such writers as Keller, Raabe, Storm, and Meyer receive especial attention. Occasional written reports on outside reading are required.

DR. KELLY; 3 hours.

[Not offered in 1922-23.]

ROMANCE LANGUAGES

All courses in the Romance languages are elective for Juniors and Seniors who have satisfactorily completed the prerequisites. The courses in Spanish and Italian are primarily for Juniors and Seniors.

French

Students wishing to qualify for French 1 may present a satisfactory certificate of their school instruction in French, or may pass an examination in French A.

A. *Course for Beginners.* Elementary grammar and the reading of simple texts. Emphasis will be laid on pronunciation.

MR. CARPENTER; 3 hours.

1. Grammar, composition, and reading, both in the class room and as outside work. Prerequisite, *French A* or its equivalent.

MR. CARPENTER; 3 hours.

2. Reading of French classics, both in the classroom and as outside work. Typical works of the following authors are read: Corneille, Racine, Molière, La Fontaine, La Bruyère, Mme. de Lafayette, Voltaire, Chateaubriand, Hugo, Balzac. Occasional lectures on the history of French literature. Prerequisite, *French 1* or its equivalent.

PRESIDENT COMFORT; 3 hours.

COURSES OF INSTRUCTION

3. *History of French Literature.* Lectures, with collateral reading and reports on the history of French literature from its origins to the present time. Prerequisite, *French 2.*

PRESIDENT COMFORT; 3 hours.

[Not offered in 1922-23.]

4. *Composition and Conversation.* A course in French conversation and advanced composition. This course is limited to the five best qualified candidates from the two upper classes and may be elected only after consultation with the instructor. Prerequisite, *French 2.*

MR. CARPENTER; 3 hours.

Spanish

A. *Course for Beginners.* Grammar, composition and reading.

MR. CARPENTER; 3 hours.

[Not offered in 1922-23.]

1. *Spanish Literature.* Reading in class of selected works by authors of the nineteenth century and of the Golden Age. Composition.

MR. CARPENTER; 3 hours.

Italian

A. *Course for Beginners.* Grammar, composition, and reading.

MR. CARPENTER; 3 hours.

[Not offered in 1922-23.]

MATHEMATICS

The courses in mathematics are arranged as far as possible to suit the needs of those students who (1) take them as part of their required Freshman work and do not intend to proceed further in mathematics, or (2) elect them as a

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minor subject and take either physics or engineering as a major subject, or (3) elect them as a major subject.

Courses 1, 2, 3, and 4 are given every year. The electives offered in any one year will be such as the needs of the department may require. Courses, either for undergraduates or graduates, on certain subjects other than those named below may be arranged for by consultation with the instructor.

In the Library will be found some of the principal journals, treatises, and collected works. Other works and journals may be consulted in neighboring libraries. In one of the lecture rooms is a collection of mathematical models.

Courses 1a, 1b, 1a', and 1b' are required of all Freshmen, except that students who have presented solid geometry and trigonometry for entrance must substitute 1c'a for 1a', 1c'b for 1b'. The required courses, together with 1c, constitute the honor courses in mathematics for Freshmen.

Course 2 is for Sophomores. This course, together with 2c, constitutes the honor course in mathematics for Sophomores.

Course 3 should be taken by students electing mathematics in the Junior year. This course, together with 3c, constitutes the honor course in mathematics for Juniors.

The Freshman and Sophomore prizes in mathematics are open only to students taking the honor courses in these years.

1a and 1b. *Algebra*, including infinite series, undetermined coefficients, the binomial theorem for fractional and negative exponents, logarithms, probability, determinants, and the elements of the theory of equations. Fine, *College Algebra*.

PROFESSOR REID; 2 hours.

COURSES OF INSTRUCTION

1a'. *Solid Geometry and Mensuration.* Thompson, *Solid Geometry.*

PROFESSOR WILSON; 2 hours, first half-year.

1b'. *Trigonometry.* The elements of plane trigonometry, including the solution of right and oblique plane triangles, with applications to practical problems. Hun and MacInnes, *Plane Trigonometry.*

PROFESSOR WILSON; 2 hours, second half-year.

1c. *Special Topics in Algebra.*

PROFESSOR REID; 1 hour.

1c'a. *Elementary Statics.* 1c'b. *Elementary Dynamics,* with applications. These courses are open to all Freshmen who have passed examinations on acceptable courses in solid geometry and trigonometry in preparatory schools, and they must be taken by those who present these subjects as entrance credits.

PROFESSOR WILSON; 2 hours.

2. *Plane Analytic Geometry and Differential Calculus.* Fine and Thompson, *Coördinate Geometry.* Murray, *Differential Calculus.*

PROFESSOR WILSON; 3 hours.

2c. *Special Topics in Analytic Geometry.*

PROFESSOR WILSON; 1 hour.

3. *Solid Analytic Geometry, Integral Calculus and Elementary Differential Equations.* Fine and Thompson, *Coördinate Geometry.* Murray, *Integral Calculus.*

PROFESSOR REID; 3 hours.

3c. *Special Topics in Calculus.*

PROFESSOR REID; 1 hour.

4. *Mechanics.* An historical sketch of the discovery of the principles of mechanics, followed by the mathematical

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treatment of statics, dynamics of a particle, and elementary rigid dynamics. Prerequisite, *Mathematics 3*, though under certain circumstances *Mathematics 3 and 4* may be taken the same year.

PROFESSOR WILSON; 3 hours.

A selection from the following courses is given each year. A student wishing to take any of them should apply to the professor in charge.

5. *Introduction to the Theory of Functions*. Prerequisite, *Mathematics 3*. Pierpont, *Functions of a Complex Variable*.

PROFESSOR REID; 3 hours.

6. *Theory of Equations*. Cajori, *Theory of Equations*. An introduction to the Galois theory.

PROFESSOR REID; 3 hours, half-year.

7. *Elements of the Theory of Algebraic Numbers*.

PROFESSOR REID; 3 hours.

8. *Course in Analysis*. Wilson, *Advanced Calculus*, and lectures.

PROFESSOR REID; 3 hours.

9. *Differential Equations*. First half-year, equations with the real variable; second half-year, equations with the complex variable. Prerequisites, *Mathematics 3 and 5*.

PROFESSOR WILSON; 3 hours.

HISTORY

Course 1 is elective for Freshmen and Sophomores. Course 2a is required of Sophomores, except in the following cases: students who have presented American History for college entrance, or have taken History 1 in their Freshman year, may substitute another course for History 2a by the consent of the Dean. Courses 3, 4, 5 and 6 are elective for Juniors and Seniors; and Course 5 is elective also for Sophomores who have had History 1. History 9 is open only to graduate students.

COURSES OF INSTRUCTION

1. *English History*. A survey of political, constitutional, economic, and social history, intended as an introductory course. Open to Freshmen and Sophomores.

PROFESSOR LUNT; 3 hours.

2a. *American History*. A general course, including a brief survey of the colonial period and a more detailed study of the constitutional period to the close of the Civil War.

PROFESSOR KELSEY; 3 hours, first half-year.

3b. *United States History Since the Civil War*. In this course emphasis is laid upon those developments that help to explain the great political questions of the present.

PROFESSOR KELSEY; 3 hours, second half-year.

4. *English Constitutional History*. A study of the formation and growth of English institutions, designed to be useful particularly to those who are interested in government and law. Elective for Juniors and Seniors.

PROFESSOR LUNT; 3 hours.

5. *Medieval History*. A survey of the history of Europe from the time of the barbarian invasions to about 1600. This course will be given only in alternate years. Elective for Juniors and Seniors. Sophomores who have had History 1 may also enter the course.

PROFESSOR LUNT; 3 hours.

[Not offered in 1922-23.]

6. *Modern History*. This course is designed to lead the student through the avenues of history to an understanding of modern political problems. The first part of the course is a brief survey of European history since 1648. This is followed by a more detailed study of the period since 1789.

PROFESSOR KELSEY; 3 hours.

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9. *Historical Research.* A course designed to give experience in the application of the principles of historical criticism. This year the course deals with problems which arise in connection with a critical study of the *Historia Maior* of Matthew Paris. Open to graduate students only.

PROFESSOR LUNT.

[Not offered in 1922-23.]

10b. *Greek History.* In this course the history of ancient Greece to the Roman period is covered in outline. Particular attention is paid to literary sources in translation, to the political and artistic development of Athens, and to the history of federal government. A text-book is used, supplemented by lectures, outside reading, and frequent reports on special topics.

MR. POST; 3 hours, second half-year.

[Not offered in 1922-23.]

ECONOMICS AND SOCIOLOGY

Economics 1b is required of all Sophomores; Economics 4a is primarily for Seniors; Sociology 1a and 2b are elective for Sophomores and Juniors. All other courses are elective for Juniors and Seniors.

Economics

1b. *Elementary Economics.* The purpose of this course is to acquaint the student with the fundamental principles of economic science and to promote his preparation for the duties of citizenship. The principles are developed from a study and discussion of the actual processes and organization of industrial society. Several series of problems are set for solution and discussed in connection with the study of text-books and collateral reading.

PROFESSORS BARRETT AND WATSON; 3 hours, second half-year.

COURSES OF INSTRUCTION

2a. *Labor Problems.* A study is made of the labor movement, but with especial reference to the United States; causes of unrest, kinds of wage-payment, the shorter working-day, collective bargaining, trade unionism, strikes and their adjustment, limitation of output, industrial insurance, methods of promoting industrial peace, labor legislation and court decisions.

PROFESSOR WATSON; 3 hours, first half-year.
[Not offered in 1922-23.]

3b. *Problems of Employment.* A study of the efficiency movement as applied to business, especially in the field of industrial relations. An extensive study of the nature, objects, and technique of the modern functionalized employment department will be made.

PROFESSOR WATSON; 3 hours, second half-year.

4b. *Money and Banking.* The course begins with a review of the principles of money and of the functions of a bank, followed by a brief survey of the history and present practice of banking in leading countries, but with extended study of conditions in the United States. Such problems as the monetary standard, credit, price movements and their effects on incomes and the cost of living, crises, foreign exchange, and the organization and operation of the Federal Reserve system are considered. This course is primarily for Seniors.

PROFESSOR BARRETT; 3 hours, second half-year.

5b. *Financial Topics.* Important steps in the monetary, banking, and financial development of the United States. Especial attention is given to the greenbacks and the resumption of specie payments, constituting a study of America's experience with paper money in the period 1861-1879. Inflation of currencies and price movements

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in various countries resulting from the war of 1914 are studied. This course should be preceded by Economics 4b. Given by special arrangement only.

PROFESSOR BARRETT; 3 hours, second half-year.

6a. *Corporations—Organization and Finance.* A study is made of business organization and functions, with especial emphasis on financing. The topics include forms of organization, covering individual proprietorships, partnerships, and corporations; legal rights and duties of the parties in the organization; the different functions of business enterprise—producing or rendering services, selling, financing, and management; problems of governmental regulation of combinations and trusts.

PROFESSOR BARRETT; 3 hours, first half-year.

7a. *Transportation.* The historical development and present status of railway systems and water transportation in the United States are treated. The problems of rate-making, pooling, consolidation, public control, are discussed. The relation of railways to shippers and to the public is shown.

PROFESSOR BARRETT; 3 hours, first half-year.

Sociology

1a. *Sociology and Modern Social Problems.* This course combines the study of sociology with a study of current social problems. The chief factors in social organization and evolution and other principles of social life are illustrated by a study of concrete problems selected from contemporary American society.

PROFESSOR WATSON; 3 hours, first half-year.

[Not offered in 1922-23.]

2b. *Modern Social Movements.* The purpose of this course is to survey those organized movements for social

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betterment that characterize modern society. These include such movements as family social work, medical social service, social work in the school, community organization and recreation, public health, housing, city planning, and municipal research.

PROFESSOR WATSON; 3 hours, second half-year.
[Not offered in 1922-23.]

BIBLICAL LITERATURE

All Juniors are required to take either 1a or 4a. The other courses are elective.

1a. *Introduction to the Old Testament.* The literature of the Old Testament in its historical setting.

PROFESSOR GRANT; 3 hours, first half-year.

2b. *Introduction to the New Testament.* The historical development of the writings of the New Testament; their origin, purpose, and contents.

PROFESSOR GRANT; 3 hours, second half-year.

3b. *The Life of Christ and the Life of Paul.* Studies in the sources and comparison of the New Testament books, with special reference to the founder of Christianity and to the great missionary apostle.

PROFESSOR GRANT; 3 hours, second half-year.

4a. *Greek New Testament.* Reading in Greek of the New Testament and other early Christian writings, two hours a week. Lectures, one hour a week, in explanation of the historical, literary, and doctrinal content.

PROFESSOR GRANT and MR. POST; 3 hours, first half-year.

PHILOSOPHY

Course 1b is required of all Juniors. Course 5a is required of all Seniors. All other courses are elective for

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Juniors and Seniors. But Course 6 is intended primarily for advanced students or graduate students and may be taken only by special permission of the instructor.

1b. *Psychology*. A course in general psychology. James, *Psychology (Briefer Course)*, is used as a text-book supplemented by lectures. A short series of lectures is also given on logic.

PROFESSOR JONES; 3 hours, second half-year.

2a. *Development of Christian Thought*. This course is devoted to a study of the original message of Christianity and the development of Christian thought as found in the Gospels and Epistles of the New Testament. It consists of lectures, assigned reading, and theses.

PROFESSOR JONES; 3 hours, first half-year.

3b. *Development of Christian Thought*. This course deals with the great types of Christian thought in its development in different epochs of the Church from the end of the Apostolic Age down to modern times, including the intellectual movement of the first three centuries, the Augustinian conception of Christianity, the Lutheran, the Calvinistic, and the Quaker conceptions. Lectures, assigned reading, and theses.

PROFESSOR JONES; 3 hours, second half-year.

4. *History of Philosophy*. The chief systems of philosophy from the earliest period down to the present time. The development of theories of idealism receives special attention. The text-books required are Cushman, *A Beginner's History of Philosophy*, and Calkins, *The Persistent Problems of Philosophy*. Lectures, collateral reading, discussions, and theses.

PROFESSOR JONES; 3 hours.

COURSES OF INSTRUCTION

5a. *Ethics*. This course covers the field of ethics, the nature of ethical goodness, the fundamental characteristics and implications of personality, the nature of conscience, the possibility and scope of freedom, and theories of the ethical end of life. Some one system of ethics must be mastered by the student and be presented in a thesis.

PROFESSOR JONES; 3 hours, first half-year.

6. *Religious and Philosophical Movements*. This course is for advanced students and honor men only, and is conducted on the seminar method. Different epochs are studied from year to year.

PROFESSOR JONES; 2 hours.

ASTRONOMY

The Haverford College Observatory affords students the means of becoming familiar with the use of astronomical instruments, and of acquiring from actual observation a practical acquaintance with astronomy.

The equipment consists of an equatorial telescope with 10-inch object glass by Clark, eyepieces, filar micrometer and a Grubb prismatic spectroscope; a meridian circle telescope of $3\frac{3}{4}$ -inch aperture; a combined transit and zenith telescope of $1\frac{3}{4}$ -inch aperture; two sextants; two clocks; a chronograph by Bond; charts, globes, and instruments for elementary laboratory exercises. The astronomical library is housed in the Observatory.

The latitude of the Observatory is $40^{\circ} 0' 40.1''$ north; its longitude, 5 h. 1 m. 14.5 sec. west from Greenwich.

1a. *Descriptive Astronomy*. The leading facts of astronomy with an elementary explanation of the methods by which they are ascertained. One of the three hours of the course will be used as a laboratory period devoted to the

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study of the constellations, the handling of the telescopes (used for illustration of the text), problems with the globe, and study of the *American Ephemeris*. Moulton, *Introduction to Astronomy*.

PROFESSOR WILSON; 3 hours, first half-year.

[Not offered in 1922-23.]

2b. *Practical Astronomy*. A study of the sextant, transit, and equatorial; practice in the determination of instrumental constants, latitude, and time. The course is opened with a brief review of the essentials of spherical trigonometry. Campbell, *Practical Astronomy*, with use of the *American Ephemeris*. Lectures and observatory work. Prerequisite, *Astronomy 1a*.

PROFESSOR WILSON; 3 hours, second half-year.

[Not offered in 1922-23.]

BIOLOGY

The biological laboratory occupies the upper two floors of Sharpless Hall, the upper west wing being devoted to a laboratory of physiology and hygiene. It is equipped with microscopes, reagents, and other necessary apparatus and appliances. It also contains several hundred biological works and zoological, anatomical, and botanical charts.

The courses of the department are suitable for students intending to study medicine. Course 1 is required of all Freshmen. Courses 2 to 11 are elective, but Courses 3 to 5, inclusive, must be preceded by Course 2.

1a. *Physiology and Hygiene*. This course is preparatory to the general physical training required by the College, and includes a series of lectures, with collateral text-book reading, on simple hygiene and preventive cautions, the

COURSES OF INSTRUCTION

theory of physical training and a brief review of general physiology including the special sense organs.

PROFESSOR BABBITT; 1 hour, half-year.

2. *Elementary Biology.* The lectures of this course are devoted to a discussion of the fundamental principles of the structure and life-processes of animals and plants and also of some of the more important questions relating to their origin and evolution. The laboratory periods are devoted to the practical study of typical representatives of some of the greater groups of animals and plants. Occasional field excursions are taken in order to study animals and plants in their natural environment. Two lectures and two laboratory periods a week.

PROFESSOR PRATT; 4 hours.

3. *Comparative Anatomy of Vertebrates.* The laboratory work of this course includes the dissection and study of a cartilaginous and a bony fish, an amphibian, a reptile, a bird, and a mammal. One lecture and two laboratory periods a week.

PROFESSOR PRATT; 3 hours.

[Not offered in 1922-23.]

4. *General Morphology.* This course is intended for those who may wish to make a more extended study of any group of animals or plants than is possible in the other courses.

PROFESSOR PRATT; 3 hours, or more.

5. *Histology and Embryology of Vertebrates.* The laboratory work in this course is devoted to the study of vertebrate histology and to the embryology of the frog, the chick, and the pig. One lecture and two laboratory periods a week.

PROFESSOR PRATT; 3 hours.

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6a. *General Botany*. The laboratory work of this course consists of the dissection and study of typical representatives of the principal groups of plants. One lecture or recitation and two laboratory periods a week.

PROFESSOR PRATT; 3 hours, first half-year.
[Not offered in 1922-23.]

7. *Evolution and Heredity*. This is a general cultural course, intended not only for scientific students but for all who wish to be informed on current biological matters and theories. It consists of lectures and readings on animals and plants, and on the most important theories of the nature and maintenance of life and of evolution and heredity.

PROFESSOR PRATT; 3 hours.

8a. *Human Anatomy*. A course in general and applied anatomy, preparatory to medical, legal and teaching professions. This includes general osteology, syndesmology and myology, and the complete anatomy of the upper and lower extremities. The equipment includes skeleton, manikin, models and charts. The course will be supplemented by visits to the dissecting rooms and anatomical museums in Philadelphia.

PROFESSOR BABBITT; 3 hours, first half-year.

9b. *Advanced and Applied Physiology*. This course continues that of anatomy in a general physiological study, both theoretical and laboratory, of the internal organs. It includes special analysis of blood, digestive secretions, general excretions, stomach analysis, and a careful functional study of thoracic, abdominal and reproductive organs, as well as brain and central nervous system. Special provision will be made for study of heart and circulatory organs.

PROFESSOR BABBITT and DR. TAYLOR; 3 hours, second half-year.

COURSES OF INSTRUCTION

10a. *General Bacteriology*. A course in general and pathogenic bacteriology. Laboratory study of molds, yeasts, and household bacteriology, followed by all important pathogenic types, with facilities for study of culture media. Visits will be made to public laboratories of hygiene.

PROFESSOR BABBITT and DR. TAYLOR; 3 hours, first half-year.

11b. *Advanced Hygiene*. This course applies the principles of general bacteriology to individual and community hygiene. Included are intensive study of general nutrition, internal secretions, principles of immunity, eugenics, municipal sanitation, and general epidemiology.

PROFESSOR BABBITT; 3 hours, second half-year.

GEOLOGY

1b. *Elementary Geology*. A discussion of the general principles of the science. Excursions are taken occasionally in which the physiographical and geological features of the country about Haverford are studied.

PROFESSOR PRATT; 3 hours, second half-year.

[Not offered in 1922-23.]

CHEMISTRY

Course A and Course B are planned to be of general educational value and to give at the same time an accurate knowledge of elementary chemistry. The more advanced courses are designed primarily to satisfy the requirements for admission to the medical schools and to furnish as thorough a training as time will permit in the fundamentals of the science for those who will proceed to graduate study in chemistry and to courses in engineering at the universities. Students intending to study medicine or

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to specialize in chemistry are advised to begin chemistry in their Freshman year. Students intending to elect chemistry as a profession should include French, German, mathematics, and physics in their curriculum.

Course 4 will be omitted in 1922-23, and Courses 3, 5a and 6b in 1923-24. The final examinations in all full year courses in chemistry will include questions on the work of the first half-year. For information regarding prizes in chemistry see pages 87 and 90.

A. *General and Inorganic Chemistry*. Open to those who have not had chemistry in preparatory school. Preparation, properties and uses of the commoner elements and their compounds. Fundamental laws and theories, including the theory of ionization and some of its applications. Metallurgy of iron, copper and other metals. Manufacture of sulfuric acid, soda, glass, porcelain, cement and fuel gases. The laboratory work will illustrate and supplement the facts brought out in the lectures, and will include in addition the qualitative analysis of single salts. 2 hours lectures and 5 hours laboratory work; 4 hours lectures in the 4th quarter. Holmes, *General Chemistry*.

PROFESSOR MELDRUM, MR. ATKINSON and MR. FANSLER;
4 hours.

B. *General and Inorganic Chemistry*. Open to those who have had chemistry in preparatory school. The subject-matter of the course will be essentially the same as for Course A but will be presented more rapidly, some knowledge of the elements of chemistry being assumed. The laboratory work will include the qualitative analysis of single salts. 2 hours lectures and 2½ hours laboratory work, 1st quarter; 1 hour lecture and 5 hours labora-

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tory work, 2nd and 3rd quarters; 3 hours lectures, 4th quarter. Holmes, *General Chemistry*.

PROFESSOR MELDRUM, MR. ATKINSON, MR. MONTGOMERY and MR. FANSLER; 3 hours.

2. *Qualitative Analysis*. Prerequisite, Course A or Course B. The lectures will deal with spectrum analysis, colloids, and the ionization theory and its applications in explaining solution phenomena and the mechanism of chemical reactions in solution. The laboratory work will consist of the systematic separation and identification of the commoner metals and acid radicals usually met with in inorganic chemistry, and the qualitative analysis of "unknown" solutions, minerals, alloys and other substances. 5 hours laboratory work throughout the year; 2 hours lectures during the 2nd and 3rd quarters. Dennis and Whittelsey, *Qualitative Analysis*; Stieglitz, *Qualitative Analysis, Part I*.

PROFESSOR MELDRUM and MR. MONTGOMERY; 3 hours.

3. *Quantitative Analysis*. Course A or Course B is prerequisite to this course; Course 2 should also precede it. Lectures on the general principles of gravimetric, volumetric, electrolytic and colorimetric methods of analysis, the preparation of pure substances, and illustrative types of quantitative separations. In the laboratory typical methods will be applied. 2 hours lectures, 1st and 2nd quarters; 5 hours laboratory work throughout the year. Talbot, *Quantitative Analysis*.

PROFESSOR MELDRUM and MR. ATKINSON; 3 hours.

4. *Organic Chemistry*. Prerequisite, Course A or Course B. The study of the compounds of carbon, including both aliphatic and aromatic derivatives. 2 hours lectures and 2½ hours laboratory work; students preparing for entrance to Johns Hopkins Medical School must elect the course with 5 hours laboratory work in order to meet requirements for admission.

PROFESSOR MELDRUM and MR. FANSLER; 3 or 4 hours.
[Not offered in 1922-23.]

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5a. *Physical Chemistry*. Open to those who have passed Courses A or B, 2 and 4, and have passed or are taking Course 3. The course deals especially with the physical laws relating to chemical systems. Such topics as the following will be discussed: the gas laws, critical phenomena, and the liquefaction of gases; osmotic pressure and other solution phenomena; velocity of reaction and the law of mass action; the phase rule; electrochemistry; thermochemistry. 2 hours lectures and $2\frac{1}{2}$ hours laboratory work. Millard, *Physical Chemistry for Colleges*.

PROFESSOR MELDRUM and MR. ATKINSON; 3 hours, first half-year.

6b. *Organic Chemistry*. Open to those who have passed Courses 4 and 5a, and have passed, or are taking Course 3. A continuation of Course 4, dealing particularly with generalizations and theories of organic chemistry, presented largely as special topics by the students. The laboratory work will consist of the quantitative analysis and identification of organic substances. 2 hours lectures and $2\frac{1}{2}$ hours laboratory work.

PROFESSOR MELDRUM and MR. ATKINSON; 3 hours, second half-year.

PHYSICS

The department of physics has at its disposal the electrical laboratory in Founders Hall, and occupies two floors in Isaac Sharpless Hall. All the rooms are equipped with direct and alternating current, compressed air and vacuum connections.

Physics A, intended for those who have never studied Physics before, covers the same ground as Entrance Physics; and one or the other of these courses is a prerequisite for Physics 1. Physics 1 covers the work required for admission to medical schools and other graduate institutions.

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A. *Elementary Physics*. The student is made familiar with physical laws and their applications to daily life, and receives sufficient preparation to enable him to pursue the subject further. Emphasis is laid on the solution of problems. There are two lectures or recitations and one laboratory period per week. Text-book, Hall, *Elements of Physics*.

MR. GRAVES; 3 hours.

1. *General Physics*. This course is open to those who have offered physics for entrance to College or have passed Physics A. Mechanics, sound, heat, light, magnetism, and electricity are studied with the help of problems and lecture demonstrations. A feature of this course is the laboratory work, the chief aim of which is accuracy of observation and of measurement. The text-book is Spinney, *General Physics*.

PROFESSOR PALMER and MR. GRAVES; 4 hours.

3. *Molecular Physics*. A brief study is made of the characteristics of atoms and molecules when at rest and in motion, followed by an investigation of the phenomena observed during the discharge of electricity through gases, and radio-activity. The latter part of the course is devoted to a study of the electron theory of matter. There is no text-book; but a great deal of reading is required in the library of reference books. There is no laboratory work; but experiments are performed by the members of the class working together with the instructor. Prerequisite, Physics 1.

PROFESSOR PALMER; 3 hours.

10. *Physics Seminar*. This course may be taken as Honors work. Reading will be assigned upon selected topics. Advanced students who devote the requisite number of hours to it may count this course toward a degree. Experimental work of a nature preliminary to research work may be carried out in a special field of investigation.

PROFESSOR PALMER; hours by arrangement.

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Courses 2, 4 and 5 are half-year courses, and may be offered in either half-year according to the needs of those electing them.

2. *Electricity and Magnetism*. Lectures and laboratory work. This course is an extension of Physics 1 and includes a discussion of such topics as Kirchhoff's laws, magnetism in iron and other metals, resistance, current strength, potential capacity, inductance and the laws of the magnetic circuit.

PROFESSOR PALMER; 3 hours, half-year.

4. *Electric Waves*. This course includes a study of the phenomena of electrical oscillations, Hertz waves, and the elementary principles of radio-telegraphy. Prerequisite, Physics 1.

PROFESSOR PALMER; 3 hours, half-year.

5. *Optics*. Lectures and laboratory work. This course is a continuation of Physics 1, covering reflection, refraction, dispersion, interference, diffraction, and polarization. The last part of the course is devoted to a brief study of magneto-optics, and the laws of radiation. The optical laboratory is equipped with the necessary apparatus for such quantitative determinations as may be required.

PROFESSOR PALMER; 3 hours, half-year.

ENGINEERING

The engineering courses are designed to give a thorough training in fundamental engineering principles and as far as practicable to illustrate the application of these principles to their associated industries.

Exceptional facilities for observing the practical side of the work are offered by the many manufacturing companies in and near Philadelphia, and frequent inspection trips are made.

The lack of a general or broad education as well as the lack of thoroughness in fundamentals has been quite universally recognized as limiting the usefulness and

COURSES OF INSTRUCTION

opportunities of many in the engineering profession. To provide against these deficiencies, students electing courses in engineering will be required to pursue studies of a general nature (history, ethics, economics, languages, etc.) throughout the four years, and to concentrate largely on mathematics, physics, and chemistry, the fundamentals of all engineering. This combination of breadth with thorough groundwork prepares the way for the highest professional development.

A proper selection of electives from the several departments will meet the requirements of varied prospective future careers. As the combinations are numerous, no attempt has been made to outline the several possible courses, but in each case students are counseled as regards their individual needs in arranging their programs of study.

Past results have shown this combination of required and elective studies to be most satisfactory as regards professional advancement. However, for the needs of those desiring still more advanced technical courses before entering the active work of the profession, very favorable arrangements may be made with technical institutions, all of which grant substantial credit toward advanced standing for work completed at Haverford.

The wood-working and metal-working shops, the laboratory for testing materials and the draughting-room are housed in Whitall Hall. A complete equipment is provided for carrying on bench and machine-tool work in both wood and metal. Steam-engine indicators, standard pressure gauges, calorimeters and electrical measuring-instruments, in connection with the central heating and lighting plant, afford good opportunity for the testing of boilers, engines, air-compressors, dynamos and auxiliaries. A 30,000-pound Riehle screw testing-machine is part of the equipment for testing materials and for studying the laws of stress and strain. The equipment of the draughting-room includes a number of pieces for study and sketching, such as pumps, safety-valves, shaft-hangers, etc.

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The electrical engineering laboratory occupies the first floor of the west wing of Founders Hall. The apparatus in this laboratory was selected to illustrate the modern applications as well as the fundamental principles. This includes many types of generators and motors, both alternating and direct; a complete line of measuring instruments; arc and incandescent lamps; galvanometers; bridges, standards, etc. Direct and alternating currents of all necessary varieties are available for tests and calibrations.

Courses 1, 2, and 3 are given, normally, in the first or second half-year, as indicated by *a* or *b*, but may be elected, when the student is properly qualified, in either half-year. Special courses in shop methods, in drawing, in descriptive geometry or in design may be arranged by application to the professor in charge.

1a. *Principles of Mechanical Drawing*. Lettering, orthographic projection, nomenclature, conventions, principles of perspective for pictorial sketches, etc. Anthony, *Mechanical Drawing*.

PROFESSOR CHASE; 3 hours, half-year.

1b. *Descriptive Geometry and Shop Methods*. Principles and applications of descriptive geometry. Faunce, *Descriptive Geometry*. Two periods a week. Pattern and foundry work. Reference library. One period a week.

PROFESSOR CHASE and MR. RANTZ; 3 hours, half-year.

2a. *Mechanism*. Velocity diagrams, quick return motions, transmission gears, valve gears, etc. Two recitations and one draughting-room period a week. Schwamb, Merrill and James, *Elements of Mechanism*.

PROFESSOR RITTENHOUSE, 3 hours, half-year.

2b. *Working Drawings and Shop Methods*. Sketching, detail drawings, notation, tracings, blue-prints, etc. Two

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periods a week. Bench work in iron, forging and study of materials. One period a week.

PROFESSOR CHASE and MR. RANTZ; 3 hours, half-year.

3a. *Engineering Design*. Empirical methods, including detail and assembly drawings. Reference library.

PROFESSORS RITTENHOUSE and CHASE; 3 hours, half-year.

3b. *Shop Methods*. Machine-tool work on the lathe, planer, milling machine, shaper, etc. Modern production methods; costs and time studies.

MR. RANTZ, 3 hours; half-year.

4a. *Heat Engineering*. This course includes a study of steam and gas engines, condensers, air-compressors, steam-boilers, power-plant economies and the cost of power. Horse-power tests are made and efficiencies studied. The thermo-dynamic principles involved are considered in the latter half of the course. An additional hour in valve-gear work may be elected. Allen and Bursley, *Heat Engines*.

PROFESSOR RITTENHOUSE; 3 hours, first half-year.

5b. *Mechanics of Materials*. A study of the materials employed in engineering construction; of stress and strain; of beams and columns; of shafting; of girders, trusses, combined stresses, etc. A series of tests on the screw testing-machine is made by each student. Boyd, *Strength of Materials*.

Students completing this course may arrange to take a course in structural design. The work in this will be arranged to suit the needs of those who elect it. It will include graphic statics and the design or analysis of a complete roof or bridge truss.

PROFESSOR RITTENHOUSE; 3 hours, second half-year.

6b. *Elementary Plane Surveying*. This course covers the fundamental principles and the approved methods of surveying, computing and plotting. The field work in-

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cludes the use of the tape, compass, transit and level. Text-book, Tracy, *Plane Surveying*.

PROFESSOR RITTENHOUSE; 3 hours, second half-year.

10a. *Elements of Applied Electricity*. This course while fundamental to the more advanced electrical courses is adapted to the needs of those students desiring practical experience with the common applications of electricity. It includes a study of circuits, generators, motors, lamps, transformers, heaters, the telephone, etc. The instruction is carried on by text-book and laboratory work.

PROFESSOR RITTENHOUSE; 3 hours, first half-year.

10b. *Direct Current Apparatus*. A detailed study of direct current apparatus by text-book, lectures and laboratory work. An analysis of power costs and rates, etc.

PROFESSOR RITTENHOUSE; 3 hours, second half-year.

11a. *Alternating Current Apparatus*. The theory of alternating currents and a study of alternating current apparatus. At least one laboratory period a week.

PROFESSOR RITTENHOUSE; 3 hours, first half-year.

11b. *Measurements in Electricity and Magnetism*. This course will be adapted to the needs of the students electing it. A study of units, standards and the calibration of instruments is included. The recent technical publications of the Bureau of Standards, and of the engineering societies are used for reference.

PROFESSOR RITTENHOUSE; 3 hours, second half-year.

PHYSICAL TRAINING

The college equipment for outdoor athletics includes: Walton Field for Rugby football and track sports, with a concrete grandstand and 440-yard oval and 220-yard straightaway cinder tracks; the Class of 1888 and Merion Fields for Association football; a skating pond; Cope Field for cricket, with players' pavilion and shed for winter practice; a baseball diamond; and seven tennis courts.

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The Gymnasium contains a main floor, sixty by ninety feet, equipped with the most improved appliances for American and Swedish gymnastics. It has an inclined running track, five feet in width. Adjoining the main floor are offices for the use of the directors in physical examination and measurement, and special student conferences. Adjoining the main hall is a large and comfortable reading-room with magazines and papers. Above are a trophy room and apartments for the use of the College athletic managers and alumni. The basement contains dressing-rooms, a number of well-ventilated lockers, shower-baths, a swimming-pool, and a double bowling-alley. There is a special dressing-room provided for the faculty and visiting athletic teams.

A thorough physical examination is given to each student upon entrance, and another at the end of the Sophomore year. No student whose physical condition is unsatisfactory will be permitted to represent the College on any athletic team. Ability to swim two lengths of the gymnasium pool is required of Sophomores before leaving the required Physical Training Course.

Course 1 is required of Freshmen in connection with Biology 1a (see page 58), Course 2 of Sophomores. Course 3 is elective for Seniors and Juniors, but it may be substituted for Course 2 by Sophomores who pass qualification tests at stated periods.

These courses are arranged in accordance with the plan for all-year physical training during Freshman and Sophomore years.

Physical Training 1. A course of instruction in athletic games, partly elective, first and fourth quarters, and in systematic gymnastic training (calisthenics, marching, and apparatus work), second and third quarters.

2 hours, first and fourth quarters.

3 hours, second and third quarters.

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Physical Training 2. A course of instruction in athletic games, partly elective, first and fourth quarters, and in advanced gymnastic training, second and third quarters.

2 hours, entire year.

Physical Training 3. Elective practice in advanced gymnastic work; track, soccer and cricket practice with team squads. The former is open to members of the faculty.

DR. BABBITT and MR. EVANS.

LIBRARY

The College Library now contains about eighty-seven thousand volumes, besides numerous classified but uncatalogued pamphlets. It has been selected and arranged with the object of making it especially useful to college professors and students. All have free access to the shelves and are permitted to withdraw from the Library any volume except those reserved for special reasons. The Librarian and assistants will do anything they can to help readers to use the Library intelligently and independently.

About six thousand dollars is expended yearly for the purchase of books and periodicals. The Library is a regular government depository and receives from other sources many substantial gifts and bequests.

The collection of Quaker literature is probably the most complete in America. The William H. Jenks collection of Friends' tracts, mostly of the seventeenth century, numbers about fifteen hundred separately bound titles.

The Library possesses the fine Harris collection of over sixty Hebrew, Greek, Latin, Arabic, Syriac and Ethiopic manuscripts collected by J. Rendel Harris; a collection of more than four hundred Babylonian clay tablets dating from B. C. 2500; and seven hundred reproductions in fictile ivory of ancient and medieval carved ivories.

Over two hundred literary and scientific periodicals are taken, besides many annual reports, year-books and irregular continuations.

The Library is open, with some exceptions, on week days from 8.30 A. M. to 10 P. M., and on Sundays from 3 to 6 P. M. While designed especially for the use of the officers and students, it affords to others the privilege of consulting and, under certain restrictions, of withdrawing books.

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THE CHARLES ROBERTS AUTOGRAPH
COLLECTION

This autograph collection, formed by the late Charles Roberts, of Philadelphia, a graduate (1864) and for many years a Manager of the College, was in 1902 presented to the College by his wife, Lucy B. Roberts. It consists of more than 11,000 items, embracing not only autograph letters of European and American authors, statesmen, scientists, ecclesiastics, monarchs, and others, but also several series of valuable papers. The whole collection, covering as it does the period beginning with the late fifteenth century and coming down to the present day, is one of unusual historical and literary interest.

It has been housed in a fireproof room, and a careful card catalogue has been prepared. The collection is open for inspection or research on application to the curator.

GRADING OF STUDENTS

In determining the standing of the student, daily recitations, hour examinations, and final examinations are all employed. The grades attained by students in their college courses are indicated on reports, issued quarterly, by the five letters, A, B, C, D, E. A indicates a grade from 90 to 100, inclusive; B from 80, inclusive, to 90; C* from 70, inclusive, to 80; D* from 60, inclusive, to 70, and E indicates a failure. The numerical grades are not published. No student is permitted to graduate if his combined average for the Junior and Senior years is below C.

HONORS

Honors are awarded for excellence in the studies of single departments. They are never given merely for performance of routine work in courses, but a considerable amount of extra work is demanded in every case.

Honors are of three kinds:

(a) *Honorable Mention*, to be awarded for work in a single course meeting not less than two hours per week throughout the year, plus additional work to the total amount of not less than 75 hours. Candidates for Honorable Mention must obtain the grade of A in the regular work of the course and pass creditably an examination on the additional work required. Two half-courses in the same department may be construed as a single course. Honorable Mention will be awarded for work in History 2a, or Economics 1b, provided the foregoing requirements

* But for Freshmen C indicates a grade from 65, inclusive, to 80, and D from 50, inclusive, to 65.

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as to grade and additional work are satisfied. History 2a may be counted as a full course for Preliminary Honors taken at the end of the Sophomore year.

(b) *Preliminary Honors*, to be awarded at the end of the Sophomore, Junior, or Senior year for not less than two full courses in a single department, plus additional work to the total amount of not less than 150 hours. Candidates for Preliminary Honors must obtain a grade of at least B in all courses required for such honors (see page 78) and a grade of A in such of these courses as are taken in the year in which they are candidates, and must pass creditably examinations on the additional work required.

(c) *Final Honors*, to be awarded upon graduation for work in the courses of a single department, plus additional work to the total amount of not less than 250 hours. Candidates for Final Honors must take at least four full courses in the department in which they apply for honors, at least two of these courses being in the Junior and Senior years. They must in all of these courses obtain a grade of at least B and in those taken in the Senior year a grade of A, and must pass creditably examinations on the additional work required. There are three grades of final Honors: Honors, High Honors, and Highest Honors. The requirements for High Honors are of a more exacting nature than those for Honors, and Highest Honors are reserved for very exceptional cases. Both High Honors and Highest Honors are awarded only by special vote of the Faculty.

A student who has received the prescribed grade in the regular work of a course required for honors, but who has not done the additional work required in connection with such course, may, with the consent of the professor in

HONORS

charge, make up his deficiency in a later year, but in the case of Final Honors all such deficiencies must be made up by the end of the Junior year.

At the time of the award of Honors there shall be added to the general average for the year of each student receiving Honors, one-half of one per cent for each award of Honorable Mention, Preliminary Honors, or Final Honors. In any given year only one such addition may be made to a student's grade for work in any one subject.

HAVERFORD COLLEGE

COURSES REQUIRED FOR PRELIMINARY AND FINAL HONORS

PRELIMINARY HONORS		FINAL HONORS
Greek	1, 2.	1, 2, 3, 4, 5.
Latin	1, 2.	1, 2, 3, 4, 5.
English	1 and the equivalent of one full course in addition.	1 and the equivalent of three full courses in addition.
German	1, 2.	1, 2, and the equivalent of two full courses in addition.
French	1, 2.	1, 2, 3, 4.
Romance Languages	None given.	{ French 1, 2, 3, 4, and Honorable Mention in Spanish A and Italian A.
Mathematics		
History	1 and 2a, or two full courses.	1, 2, 3, 5.
Economics	None given.	Four full courses.
Philosophy	None given.	Economics 1, 2, 3, 4, 5, 6, 7, and Sociology 2.
Biology	2, 7.	1, 2, 3, 4, 5.
Chemistry	A or B, 2, and 3 or 4.	2, 7, and the equivalent of two full courses from 3, 4, 5, 6, 8.
Physics	1 and the equivalent of one full course from 2, 3, 4, 5.	A or B, 2, 3, 4.
Engineering	None given.	1 and the equivalent of three full courses from 2, 3, 4, 5, 10, and Engineering 10 and 11.
		1, 2, and the equivalent of two full courses from 4, 5, 10, and 11.

DEFICIENT STUDENTS

Special opportunities for the removal of entrance conditions will be given in January and September.

Opportunities for the removal of first half-year conditions will be given in April and September.

Opportunities for the removal of second half-year conditions will be given in September and January.

Conditions in required courses should be removed at the first regular re-examination period after failure; if not then removed a fee of five dollars will be charged against the student at the next regular re-examination period, whether or not the make-up examination be actually taken. A student who has failed to remove a condition in a required course before that course is again offered shall repeat the course; an elective course may be repeated with the consent of the instructor. No course may be repeated more than once; failure to pass a repeated required course will thus prevent the student from obtaining his degree. For any course begun and either dropped after two weeks, or not passed at the regular examination or at the two succeeding make-up examinations, the student will be charged a fee of five dollars per half-year hour, whether the course be repeated or not. In case of conflict the repeated course shall take precedence over all other courses.

A student who is repeating a course, or who is deficient in class standing in excess of two half courses or who is carrying an entrance condition after the Freshman year, shall have his name appear in the student list of the current catalogue with an asterisk (*) to indicate that he is not in full class standing.

Any student whose record is such as to justify the belief that he is not availing himself of the opportunities offered by Haverford College may be dropped. Usually a student who has more than two half courses of failures against him at the opening of College in September will be dropped.

HAVERFORD COLLEGE

DEGREES

BACHELOR OF ARTS AND BACHELOR OF SCIENCE

Students who have received credit for the full number of courses in prescribed and elective studies, provided they have for the Junior and Senior years a combined average of C, or above, are granted the degree of Bachelor of Arts or Bachelor of Science. For the difference in the requirements for the two degrees see page 36. The fee for the Bachelor's degree is fifteen dollars.

MASTER OF ARTS AND MASTER OF SCIENCE

Resident graduates who have received the Bachelor's degree from Haverford College or from an institution of equivalent standing may be admitted as candidates for the degree of Master of Arts or Master of Science. Such students must submit, in writing, for the approval of their instructors and the Faculty Committee on Advanced Degrees, a plan of study involving the equivalent of twelve hours a week in advanced courses. This shall be supplemented by additional intensive work equivalent to a three-hour course, which shall be distributed in a manner to be approved by the committee, or, at the option of the instructors concerned, by a thesis. This plan shall be filed with the Registrar before October 15th of the year in which the student begins work for the degree. No course shall be credited towards the Master's degree in which the grade attained is lower than B. The fee for the degree is twenty dollars.

ROOMS

Entering Freshmen may choose rooms in the order in which their application blanks for admission (see page 16) are received. For this choice a day is appointed, of which due notice is given in advance. Ten of the \$525 rooms are regularly reserved as a part of the apportionment for Freshmen. The choice of rooms by other students is governed by published rules.

A deposit of \$15 is required of all students, old and new, before a room is reserved. In case the student occupies the room, the amount will be deducted from his bill for the following year; otherwise it will be forfeited.

EXPENSES

The combined charge for tuition (\$200), board (\$250), and room-rent (\$75 to \$250, according to location), varies from \$525 to \$700 a year. This includes heat, electric light, attendance and the use of necessary bedroom furniture, *i. e.*, a chiffonier and a bed, the linen for which is furnished and laundered by the College for an annual fee of five dollars. Students will supply their own study furniture. In general two students share one study and each has his private bedroom adjoining. A few single rooms are also available. The number of students accommodated in the different halls is as follows:

Merion Hall,	9 at \$525 each
Merion Hall,	4 at \$550 each
Merion Hall,	22 at \$575 each
Founders Hall,	14 at \$525 each
Founders Hall,	10 at \$550 each
Founders Hall,	1 at \$575
Founders Hall,	2 at \$600 each
Founders Hall,	2 at \$625 each
Barclay Hall,	22 at \$525 each
Barclay Hall,	2 at \$550 each

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Barclay Hall,	4 at \$575 each
Barclay Hall,	24 at \$600 each
Barclay Hall,	50 at \$625 each
Barclay Hall,	1 at \$650
Lloyd Hall,	44 at \$700 each

The charge for tuition of day-students is \$200 a year; for tuition and mid-day meal, \$280 a year. For additional fees, see pages 79 and 80.

An annual infirmary fee of seven dollars is charged to all students living at the College. A laboratory fee (averaging ten dollars) and a bill for materials consumed and for breakage is charged in each of the laboratories. An annual gymnasium fee of two dollars is charged for supplying and laundering towels. An annual fee of two dollars is charged to all students for the privileges of the Haverford Union (see below). Books and stationery will, at the option of the student, be supplied by the College and charged on the half-yearly bills.

First term bills, for three-fifths of the student's total cash indebtedness for room, board, and tuition for the year, are rendered October first and must be paid before November first. Second term bills are rendered February first and must be paid before March first. Failure to pay within the specified time automatically cancels the student's registration.

A student is held financially responsible for any damage to his room.

THE HAVERFORD UNION

The Haverford Union is a large and attractive building supplied with reading rooms, recreation rooms, sleeping rooms for visiting alumni, and a large assembly hall.

THE MORRIS INFIRMARY

The Morris Infirmary, presented by John T. Morris, '67, has been in operation since the fall of 1912. It contains ten beds, a surgical room, an isolation ward for contagious diseases, and accommodations for physician and nurse. Every provision has been made for both residence and dispensary care of all student conditions, medical and surgical, occurring during the college year. Prompt relief is thus afforded from the dangers of infection through illness in the college dormitories.

Except for the infirmary fee mentioned above, the attendance of the regular nurse is free to students. Medical attendance for brief ailments is also given, free of charge, by the college physician.

SCHOLARSHIPS

All preliminary correspondence concerning scholarships should be addressed to the President of the College.

I. *Corporation Scholarships.* Sixteen scholarships of the annual value of \$300 each, awarded without application to the four students in each class who have the highest average scholarship. This is determined in the case of upper classmen from their general average for the year. In the case of the incoming Freshman Class the scholarships will be assigned immediately after the June examinations (see page 20) to those candidates entering by either plan of admission who are judged to be best prepared to do the work of the College.

II. *Senior Foundation Scholarships.* Six scholarships of the annual value of \$300 each offered to graduates of Earlham, Penn, Wilmington, Guilford, and Whittier Colleges, and Friends' University, nominated by their respective faculties.

HAVERFORD COLLEGE

III. *Isaiah V. Williamson Scholarships*. Two scholarships covering all minimum expenses of board and tuition. One will usually be awarded to a Senior and one to a Junior.

IV. *Richard T. Jones Scholarship*. One scholarship of the annual value of \$200.

V. *Edward Yarnall Scholarship*. One scholarship of the annual value of \$200. Open to Friends only.

VI. *Thomas P. Cope Scholarship*. One scholarship of the annual value of \$200. Open to Friends who intend to teach.

VII. *Sarah Marshall Scholarship*. One scholarship of the annual value of \$200.

VIII. *Mary M. Johnson Scholarship*. One scholarship of the annual value of \$200.

IX. *Joseph E. Gillingham Scholarships*. Four scholarships of the annual value of \$200 each "for meritorious students."

X. *Isaac Thorne Johnson Scholarship*. One scholarship of the annual value of \$225 available for a student of Wilmington College or a member of Wilmington (Ohio) Yearly Meeting of Friends.

XI. *Jacob P. Jones Scholarships*. Twenty-four scholarships of the annual value of \$150 each. At the discretion of the President six of these scholarships may be assigned within certain geographical districts. Eight scholarships of the annual value of \$100 each.

All scholarships are given for one year only, but, with the exception of II, they may be renewed by the College if the conduct and standing of the recipient be satisfactory.

The Senior Foundation Scholarships will thus be vacated yearly, and about one-fourth of the others.

SCHOLARSHIPS

The following regulations will govern the grant of scholarships:

1. No scholarship will be given to a student who has conditions.
2. No scholarship will be given to a student who is in debt to the College.

EMPLOYMENT BUREAU

In connection with the Dean's office there is an Employment Bureau through which students may be put in touch with many kinds of remunerative employment. Each year some men are able to make enough money to pay all their college expenses. During the past year thirty-seven students earned \$4280 in eighteen different occupations.

FELLOWSHIPS

The Clementine Cope Fellowship, of the annual value of \$500, may be awarded by the Faculty to the best qualified applicant from the Senior Class. He is required to spend the succeeding year in study at some American or foreign university approved by the Faculty.

Teaching Fellowships. Two fellowships of \$300 each, involving certain duties at Haverford College, are offered yearly to Haverford College graduates, on the Clementine Cope Fellowship Foundation. They are construed to cover all the charges for tuition, room, and board.

PRIZES

All prizes awarded in books are marked with appropriate bookplates. As soon as possible after the award a list of standard books, from which selection is to be made, should be submitted for approval to the head of the department awarding the prize. Books selected from the approved list may then be ordered through the College Office. The College grants an average discount of ten per cent on prize books and supplies and affixes the bookplates.

ALUMNI PRIZE FOR COMPOSITION AND ORATORY

The Alumni Association, in the year 1875, established an annual prize of \$50 for excellence in composition and oratory.

This prize is now divided between the two members of the winning team in the Senior-Junior debate.

THE EVERETT SOCIETY MEDALS

To the members of the winning team in the annual Sophomore-Freshman extemporaneous debate, medals are given in memory of the Everett Society.

PRIZES

THE CLASS OF 1896 PRIZES IN LATIN AND MATHEMATICS

These are two prizes worth \$10 each. They will be awarded in books at the end of the Sophomore year to the students who have done the best work for the two years in Latin and mathematics, respectively.

THE CLASS OF 1898 PRIZE IN CHEMISTRY

The Class of 1898 offers a prize of \$10 in books to the member of either the Junior or Senior Class who, in the judgment of the professor, shall have done the most thorough and satisfactory work in chemistry during the year. The prize will not be awarded twice to the same student.

THE CLASS OF 1902 PRIZE IN LATIN

The Class of 1902 offers a prize of \$10 in books to the Freshman whose work in Latin, in recitation and examinations combined, shall be the most satisfactory to the professor in charge of the department.

THE DEPARTMENT OF MATHEMATICS PRIZES

The Department of Mathematics offers two prizes, each of \$10 in books, one to be awarded at the end of the Freshman year, and the other at the end of the Junior year, to the most proficient students in mathematics.

THE ELLISTON P. MORRIS PRIZE

A prize of \$80, open to all undergraduates and to graduates of not more than three years' standing, is offered in alternate years for the best essay bearing on the general problem of "International Peace and the Means of Securing It." The next award will be made May, 1922, and will be announced at Commencement. No prize will be awarded unless a high standard of merit is attained. Essays should be deposited with the Registrar not later than May 1st. The judges shall be appointed by the President of the College. For the 1922 competition the essays may be written on one of the following subjects:

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1. The grounds for believing that an international court of arbitral justice will become a substitute for war.

2. The ethical grounds for opposition to war.

3. Will the economic burden of war, and of national armament in time of peace, force the nations of the world to adopt peaceful methods of settling disputes?

4. Lessons for the peace movement in the armed conflicts of 1914 and after.

Essays submitted by undergraduates for this prize may also be submitted for the Elizabeth P. Smith Prize.

THE ELIZABETH P. SMITH PRIZE

A prize of \$35 is offered annually to the undergraduate who presents the best essay on international peace. Essays submitted for the Elizabeth P. Smith Prize may also be submitted for the Elliston P. Morris Prize. Essays for this prize should be deposited with the Registrar not later than May 1st. The judges shall be appointed by the President of the College.

PRIZES IN PHILOSOPHY AND BIBLICAL LITERATURE

A prize of \$40 in books will be offered each year to the student who, in the judgment of the professor in charge, does the most satisfactory amount of outside reading in philosophy in connection with the courses in that department. A second prize of \$25 in books will also be offered. The prizes in philosophy are open to all students taking any course in philosophy.

A prize of \$40 in books will be offered each year to the student, who, in the judgment of the professor in charge, does the most satisfactory amount of reading on the Bible and related subjects. A second prize of \$25 in books will also be offered. The prizes in Biblical Literature may be competed for during any year of the College course.

THE SCHOLARSHIP IMPROVEMENT PRIZES

A first prize of \$50 and a second prize of \$45 will be given at the end of the Senior year to the two students

PRIZES

who, in the opinion of the judges appointed by the President of the College, show the most steady and marked improvement in scholarship during their college course.

THE HIBBARD GARRETT MEMORIAL PRIZES FOR VERSE

Two prizes of \$25 and \$15 respectively are awarded for the best verse written by a Haverford undergraduate during the year. Typewritten manuscript, under an assumed name, should be deposited with the Registrar not later than May 1st. The judges shall be appointed by the President of the College.

THE FOUNDERS CLUB PRIZE

A prize of \$25 is offered by the Founders Club to the Freshman who is adjudged to have shown the best attitude toward college activities and scholastic work.

S. P. LIPPINCOTT PRIZE IN HISTORY

A prize of \$100 is offered for competition in the Department of History, open to Seniors and Juniors with the following general provisos:

First.—The prize may be withheld in any year, if the conditions, as provided below, are not met by any of the competitors to the satisfaction of a majority of the judges.

Second.—The prize shall not be awarded twice to the same student.

Third.—Competition is confined to students who have completed at the time of award a minimum of a course and a half, or the equivalent, in the Department of History.

Conditions.

1. In competition for this prize an essay shall be submitted of not less than 5,000 words, offered as evidence of scholarly ability in the collection and presentation of historical material, treating a subject selected from a list announced by the Department of History before the 15th of November.

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2. This essay shall be typewritten and deposited under an assumed name with the Registrar on or before May 15th.

3. The judges shall consist of the President of the College and two historians to be selected by him.

For the competition of 1921-22 the following subjects were submitted:

1. The relations between England and the Papacy during the reigns of Henry III and Edward IV.

2. The public career of Sir Robert Walpole.

3. How Panama won her independence.

4. The causes of the Mexican War.

GEORGE PEIRCE PRIZE IN CHEMISTRY OR MATHEMATICS

In memory of Dr. George Peirce, 1903, a prize of \$25 is offered annually to a student "who has shown marked proficiency in either or both of these studies and who intends to follow a profession which calls for such preparation. Preference is to be given to a student who has elected organic chemistry, and failing such a student, to one who has elected mathematics or some branch of chemistry other than organic. Should there be two students of equal promise, the one who is proficient in Greek shall be given preference." The prize is offered, however, exclusively for students who expect to engage in research, and it will not be awarded unless the candidate has this expressed intention.

LECTURESHIPS

HAVERFORD LIBRARY LECTURES

The income of \$10,000, received in 1894 from the estate of Mary Farnum Brown, is available by the terms of the gift "to provide for an annual course or series of lectures before the Senior Class of the College, and other students, on the Bible, its history and literature, and as way may open for it, upon its doctrine and its teaching."

THOMAS SHIPLEY LECTURES ON ENGLISH LITERATURE

The sum of \$5,000, presented in 1904 by Samuel R. Shipley, in memory of his father, Thomas Shipley, constitutes the Thomas Shipley Fund. The income of this fund is ordinarily to be used "for lectures on English literature."

SOCIETIES

A Young Men's Christian Association, organized in 1879, has a membership embracing a large number of the student body. It holds meetings twice a week, the mid-week meetings being addressed by prominent speakers from outside the College and the Sunday meetings being conducted by students. The work of the association includes a variety of outside activities, such as boys' work in Preston and Ardmore, a number of Bible classes in the College and vicinity, mission work and social work in Philadelphia, deputation work, etc.

The Social Science Club is an organization for those members of the Faculty and students who are especially interested in the discussion of economic, historical, and sociological questions. Meetings are frequently addressed by prominent speakers, and papers are read by members.

The Scientific Society is an organization with membership drawn from the Faculty and students, having for its object the promotion of interest in general science.

HAVERFORD COLLEGE

The Radio Club is composed of students interested in wireless telegraphy. It has for its headquarters a fully equipped station in Sharpless Hall for receiving and sending messages.

The Classical Club is composed of members of the Faculty, students, alumni, and others, who are interested in the life and literature of the Greeks and Romans.

The English Club, membership in which is limited to Faculty, Seniors, and Juniors, promotes the informal discussion of literary topics.

A chapter of the Phi Beta Kappa Society, Zeta of Pennsylvania, was established at the College in 1898.

The Founders Club, established in 1914, is an organization of alumni and undergraduates, to which upper classmen become automatically eligible if they attain a grade of at least B in class-room work and take part in a certain number of extra-curriculum activities.

The Cap and Bells Club, composed of both alumni and students, organizes and arranges the musical and dramatic productions of the College.

The Campus Club is an organization of the Faculty, students, and other friends of the College for promoting the study and preservation of trees, shrubs, and birds on the College property.

PERIODICALS

The Haverford College Bulletin is issued by the College four times in each collegiate year. Included under this title are the College Reports, Catalogue, Athletic Annual, Alumni Quarterly, and other matter.

The Haverford News and *The Haverfordian* are student publications, the former appearing weekly, and the latter monthly, during the collegiate year.

THOMAS WISTAR BROWN GRADUATE SCHOOL

Founded 1917

Founded as the result of a donation of about \$400,000, the Thomas Wistar Brown Graduate School is located in a residence on College Lane.

In accordance with the expressed approval of the donor, graduate courses are here offered in Biblical literature, philosophy, sociology, history, "and kindred subjects." The scope of the instruction is hence limited to a rather definite preparation for certain lines of usefulness.

A pamphlet descriptive of the Graduate School and its facilities will be sent upon application to the President, Haverford College, Haverford, Pa.

DEGREES CONFERRED, JUNE, 1921

Master of Arts

CONOVER, CHASE LEVI.....Oskaloosa, Iowa
B.S. (Penn College) 1917.

MARSHALL, E. HOWARDUnion, Iowa
A.B. (Penn College) 1917.

RATLIFF, EURAH LUCILLEFairmount, Indiana
A.B. (Earlham College) 1920.

WARREN, SARETTA ELLIOTTWilmington, Ohio
A.B. (Wilmington College) 1917.

RESIDENT STUDENTS IN THE THOMAS WISTAR BROWN GRADUATE SCHOOL, 1921-1922

CONROW, RUTH HUNTRiverton, New Jersey
A.B. (Wooster College) 1920.

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- DUNGAN, ELLA MAYMuscatine, Iowa
A.B. (Penn College) 1917.
- DUNGAN, EUGENE ALVINMuscatine, Iowa
A.B. (Penn College) 1920.
- HAWKINS, HELEN ESTHER.....New Vienna, Ohio
A.B. (Wilmington College) 1919.
- MILNER, CLYDE ALONZOLeesburg, Ohio
A.B. (Wilmington College) 1921.
- NEWLIN, ALGIE INNMAN ..Saxopahaw, North Carolina
A.B. (Guilford College) 1921.
- WHITE, MARY E. MENDENHALL..Guilford College, N. C.
A.B. (Guilford College) 1914.

DEGREES, PRIZES AND HONORS GRANTED IN 1920-1921

DEGREES

The following degrees were conferred on Commencement Day, June 10, 1921:

Master of Arts

GEORGE VALENTINE DOWNING, S.B. (Haverford College, 1914).

Thesis: The Utilization of Leather Waste for Fertilizer.

FRANK THOMSON GUCKER, JR., A.B. (Haverford College, 1920).

Subject: Chemistry.

EDWARD CADMUS HAINES, S.B. (Haverford College, 1921). Subject:

Mathematics.

FRED HELSABECK MORRIS, A.B. (Haverford College, 1917). Thesis:

Relations between France and America, 1814-1914.

JOSEPH DIXON WHITE, S.B. (Haverford College, 1920). Subject:

Chemistry.

Bachelor of Arts

ALAN MASON ABELE

HAROLD WALTON ARROWSMITH

JERVIS JEFFERIS BABB

GEORGE JOHN GEBAUER

EDMUND GUIDO HAUFF

EUGENE BLAIR HEILMAN

ARCHIBALD MACINTOSH

JOHN DELAPLANE MILLER

SAMUEL ALBERT NOCK

RAYMOND THEODORE OHL

ALBERT EDWARD ROGERS

GARRETT ROBERTS

MILTON HUYETTE SANGREE

JOSEPH HUTCHINSON SMITH

HARRY GARLAND TIMBRES

As of 1920

JAMES LAWRENCE PIERCE

HAVERFORD COLLEGE

Bachelor of Science

ROBERT ATKINSON	JOHN BARCLAY JONES, JR.
JAMES McGRANAHAM BAKER	HERMAN HENRY WILLIAM KUMM
HENRY CHARLES BIGELOW	JULIAN SAX LONG
CHARLES ADDISON BRINTON	JOHN MACADAM, JR.
PAUL HERBERT CASKEY	DAVID ERNST MATZKE
EDWIN NEWBOLD COOPER	WILLIAM FELIX MENGERT
STACY NEWCOMB EWAN, JR.	AMOS ARTHUR POWELL
EDWARD CADMUS HAINES	WILLARD SAMUEL TAYLOR
ALAN WOODS HASTINGS	BENJAMIN B. WEATHERBY, 2D
HERSCHEL CLIFFORD HENDERSON	BERTRAND HENRY WILBUR
JOHN ROBISON HOOPES	DAVID HARRIS WILLSON
WILLIAM THOMAS JEBB	ROBERT NEWLIN WOOD

As of 1920

JOHN BRANSON EDMONDS	JOSEPH ELSWORTH ROGERS
CHRISTOPHER ROBERTS	RICHARD REEVE WOOD

As of 1919

RICHARD MEAD BALDERSTON

As of 1918

JOHN ALAN HISEY, JR.

FELLOWSHIPS AND SCHOLARSHIPS

FOR 1921-1922

Clementine Cope Fellowship

ALAN WOODS HASTINGS

Teaching Fellowships

RAYMOND THEODORE OHL, 1921

ROBERT ATKINSON, 1921

STACY NEWCOMB EWAN, JR., 1921

Corporation Scholarships

Class of 1922

HENRY SALMON FRASER
HARRY WILLIAM PFUND

RICHARD MANLIFFE SUTTON
DONALD ALEXANDER FLANDERS

PRIZES AWARDED

Class of 1923

EDWARD KENNETH HAVILAND
NORMAN EBY RUTT

WILMOT RUFUS JONES
DUDLEY McCONNELL PRUITT

Class of 1924

GEORGE WASHBOURNE HOWGATE
HOWARD JESSUP HOGENAUER

CHARLES HARRISON FRAZIER, JR.
HOWARD COMFORT

Class of 1925

EDWARD LEE GORDY
EDWARD GARRETT PENNOCK

LEIGH EDWARD CHADWICK
WILLIAM LIVINGSTON BAYER

PRIZES

The Alumni Oratorical Prizes for Seniors and Juniors

EDMUND GUIDO HAUFF
MILTON HUYETTE SANGREE

The Everett Society Medals for Extemporaneous Speaking by Sophomores and Freshmen

LEE GRANT HOLMES, 1923 CHARLTON BEVAN STRAYER, 1923
HENRY LAWRENCE WILBUR, 1923

The Class of 1896 Prizes in Latin and Mathematics for Sophomores

Latin.....Divided between IRVIN COLTUN HEYNE and
NORMAN EBY RUTT

Mathematics.....KENNETH BETTS WALTON

The Class of 1898 Prize in Chemistry for Seniors and Juniors

KENNETH BRADDOCK-ROGERS, 1922

The Class of 1902 Prize in Latin for Freshmen

GEORGE WASHBOURNE HOWGATE

HAVERFORD COLLEGE

The Mathematical Department Prizes in Mathematics

Junior Mathematics.....FRANK THOMSON GUCKER, 1920
Freshman Mathematics.....GAYLORD PROBASCO HARNWELL, 1924

The Philosophy Reading Prizes for Seniors and Juniors

First Prize.....	ROBERT LOUIS MOLITOR, 1922
Second Prize.....	CRAIGE McCOMB SNADER, 1922

The Scholarship Improvement Prizes for Seniors

First Prize.....	JOSEPH HUTCHINSON SMITH
Second Prize.....	JOHN BRANSON EDMONDS

The Hibbard Garrett Memorial Prizes for Verse

First Prize.....ARCHIBALD MACINTOSH, 1921
 "Seaward"
 Second Prize.....JOSEPH HUTCHINSON SMITH, 1921
 "The Joy of Living"

The Founders Club Prize

HOWARD COMFORT, 1924

The George Peirce Prize in Chemistry or Mathematics

FRANK THOMSON GUCKER, JR., 1920

The S. P. Lippincott Prize in History

HENRY SALMON FRASER, 1922

HONORS

Seniors elected to the Phi Beta Kappa Society

At the end of the Junior Year:

As of 1920

CHRISTOPHER ROBERTS

HONORS AWARDED

As of 1921

JOHN BARCLAY JONES, JR.

At the end of the Senior Year:

ALAN WOODS HASTINGS	HARRY GARLAND TIMBRES
SAMUEL ALBERT NOCK	DAVID HARRIS WILLSON
RAYMOND THEODORE OHL	EDWARD CADMUS HAINES
HERMAN HENRY WILLIAM KUMM	

From the Class of 1922

At the end of the Junior Year:

HENRY SALMON FRASER	HARRY WILLIAM PFUND
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Seniors and Juniors elected to the Founders Club

From the Class of 1921

At the end of the Junior Year:

PAUL HERBERT CASKEY	CHRISTOPHER ROBERTS
ALBERT EDWARD ROGERS	

At the end of the Senior Year:

JERVIS JEFFERIS BABB	SAMUEL ALBERT NOCK
ROBERT NEWLIN WOOD	

From the Class of 1922

At the end of the Junior Year:

CHARLES DAVID ABBOTT, JR.	GEORGE ADOLPH HILLEMANN
DONALD ALEXANDER FLANDERS	HARRY WILLIAM PFUND
HENRY SALMON FRASER	KENNETH BETTS WALTON

FINAL HONORS

Honors

DAVID HARRIS WILLSON	History
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HAVERFORD COLLEGE

Preliminary Honors

CHARLES DAVID ABBOTT, JR.	English
KENNETH BRADDOCK-ROGERS	Chemistry
DONALD ALEXANDER FLANDERS	Mathematics
EDWARD KENNETH HAVILAND	Mathematics
IRVIN COLTUN HEYNE	Latin
HARRY WILLIAM PFUND	Latin
DUDLEY MCCONNELL PRUITT	Latin
NORMAN EBY RUTT	Mathematics
JAMES ECKEL SIDEL	Latin

Honorable Mention

ROBERT ATKINSON	Chemistry 3
HOWARD COMFORT	Latin 1
HENRY SALMON FRASER	German 2
GEORGE RANDLE GRIMES	Latin 2
JOHN FLAGG GUMMERE	Latin 3
GAYLORD PROBASCO HARNWELL	Freshman Mathematics
EDWARD KENNETH HAVILAND	Chemistry 3
HOWARD JESSUP HOGENAUER	Freshman Mathematics
GEORGE WASHBOURNE HOWGATE	Latin 1
PHILIP GARRETT RHOADS	Freshman Geometry and Trigonometry
EDWIN BERNARD ROSSKAM	Latin 1
EDWARD JACKSON THOMPSON	History 4
JOHN COLVIN WRIGHT	Latin 3

STUDENTS IN THE COLLEGE

In the last column is given the number of the student's dormitory room; Bn is an abbreviation for Barclay Hall, North; Bc, for Barclay Hall, Centre; Bs, for Barclay Hall, South; F, for Founders Hall; L, for Lloyd Hall; M, for Merion Hall; D, for day-student. An asterisk (*) is placed before the name of a student who has conditions or deficiencies in excess of two half courses, has failed to remove a condition after two opportunities, or is carrying an entrance condition after Freshman year.

GRADUATE STUDENTS

Name	Home Address	College Address
Atkinson, Robert	312 Gowen Ave., Mt. Airy, Pa.	22 L
Ewan, Stacy Newcomb	Millville, N. J.	21 Bs
Graves, Edgar Baldwin	2304 Madison Square, Philadelphia, Pa.	21 Bs
Ohl, Raymond Theodore	148 Cricket Ave., Ardmore, Pa.	19 L

SENIOR CLASS

Abbott, Charles David, Jr.	211 S. Walnut St., Milford, Del.	15 L
Arrowsmith, Noel Stryker	496 Park Ave., Orange, N. J.	36 Bc
Barker, John Bryant	1525 Shady Ave. Pittsburgh, Pa.	66 Bn
Braddock-Rogers, Kenneth	Haddonfield, N. J.	HU
Bucknell, Allen Kazlitt	1761 N. 36th St., East St. Louis, Ill.	43 Bc
Coder, William Dickey	620 S. High St., West Chester, Pa.	16 L
Deacon, William Whitman	R. F. D. No. 2, West Chester, Pa.	D
Emigh, Chalmers Preston	Huntingdon, Pa.	D
Fansler, Thomas LaFayette	Frazer, Pa.	16 L
Flanders, Donald Alexander	31 Orchard St., Springfield, Vt.	43 Bc
Fraser, Henry Salmon	1113 First North St., Syracuse, N. Y.	12 L
Grigg, Harold Maurice	Haddonfield, N. J.	12 M
Gummere, John Flagg	Glen Mills, Pa.	17 M
Hall, Percival, Jr.	1 Kendall Green, Washington, D. C.	13 F
Hallock, Joseph	Milton, N. Y.	39 Bc
Heilman, William Blair	876 Wynnewood Road, Philadelphia, Pa.	13 M
Hendricks, William Craig	Chambersburg, Pa.	31 Bc
Hilleman, George Adolph	7152 Meade St., Pittsburgh, Pa.	24 Bs
Janney, Richard Worth	212 W. Upsal St., Germantown, Pa.	11 M
*Klemm, Ralph Adam	1204 Lehigh Ave., Philadelphia, Pa.	11 L
MacCallum, William Henry, Jr.	6602 Germantown Ave., Philadelphia, Pa.	14 L
McKinley, Morrison Cushman	1619 Green St., Philadelphia, Pa.	2 F
Matzke, Robert Rudolph	805 E. Seneca St., Ithaca, N. Y.	31 Bc
*Millner, Alfred Walker	Leesburg, Ohio	9 M

HAVERFORD COLLEGE

Name	Home Address	College Address
Miller, Frederick Stahl	349 N. Duke St., Lancaster, Pa.	11 L
Molitor, Robert Louis	125 W. Chelten Ave., Germantown, Pa.	5 M
Montgomery, Thomas Roger	Woods Hole, Mass.	34 Bc
Morris, Elliston Perot	131 W. Walnut Lane, Germantown, Pa.	14 F
*Muench, Alfred George	Haverford, Pa.	33 Bc
Paxson, Chauncey Gause	2414 Bryn Mawr Ave., Philadelphia, Pa.	12 M
Pfund, Harry William	115 W. Logan St., Philadelphia, Pa.	23 Bs
Reiter, John Harkey	452 Walnut St., Allentown, Pa.	44 Bc
Reitzel, William Attich	Cor. Harvard and Cornell Aves., Swarthmore, Pa.	15 L
Rhoads, William Lester	Boyetown, Pa.	22 L
Sagebeer, Richard Grafflin	Berwyn, Pa.	D
Sangree, Nathan Barnitz	4031 Baltimore Ave., Philadelphia, Pa.	15 F
Sidel, James Eckel	509 Robeson St., Reading, Pa.	44 Bc
Silver, William Easter	Aberdeen, Md.	14 L
Snader, Craige McComb	Haverford, Pa.	24 Bs
Sutton, Richard Manliffe	1547 Clarkson St., Denver, Colo.	16 F
Taylor, Edward Allinson	Haverford, Pa.	D
Thompson, Edward Jackson	Philipsburg, Pa.	39 Bc
Walton, Kenneth Betts	315 Oriental Ave., Atlantic City, N. J.	33 Bc
Wise, Malcolm Rose	Clifton Heights, Pa.	23 F
Wright, John Colvin	116 E. Penn St., Bedford, Pa.	23 Bs
Zerrer, Edwin Walter	5428 Westford Road, Olney Park, Pa.	12 L

JUNIOR CLASS

Allen, Russel Greene, Jr.	Cornwall-on-Hudson, N. Y.	13 Bs
Bacon, William Warder, Jr.	162 Queen Lane, Germantown, Pa.	13 Bs
Borton, John Carter	Moorestown, N. J.	16 Bs
Brown, Henry Tatnall, Jr.	Moorestown, N. J.	15 Bs
Buck, Addison Steward	82 Main St., Hempstead, L. I., N. Y.	37 Bc
*Carpenter, Horace Walton	3935 Lindell Boulevard, St. Louis, Mo.	35 Bc
*Dennett, Carleton	350 W. 55th St., New York, N. Y.	11 F
Farrar, Hal Gordon	1434 Tremont Place, Denver, Colo.	20 L
Fisher, Guilford Dudley	Malvern, Pa.	10 Bs
Flint, Frank Plumley	58 Bradford Ave., Crafton Station, Pittsburgh, Pa.	37 Bc
*Flowers, Frank Shuster	Paulsboro, N. J.	19 L
Fry, Gilbert Crawford	4612 Chester Ave., Philadelphia, Pa.	8 L
Grimes, George Randle	333 Vassar Ave., Swarthmore, Pa.	3 F
Hamilton, William Henry	4835 California St., Omaha, Neb.	20 L
Haviland, Edward Kenneth	Port Deposit, Md.	4 M
Heyer, Charles Dixon	High and Ridgway Sts., Mt. Holly, N. J.	14 Bs
Heyne, Irvin Coltun	5258 Addison St., Philadelphia, Pa.	3 M
Himes, Rees Slaymaker	120 E. King St., Shippensburg, Pa.	21 L
Hoag, Garrett Scattergood	Haverford, Pa.	16 Bs
*Huffman, George Conrad	Waynesburg, Pa.	21 L
Hunsicker, William Cosgrove, Jr.	1625 Race St., Philadelphia, Pa.	9 Bs
Hunt, George Wood	709 Spruce St., Philadelphia, Pa.	D
Hutkin, Marcus Diamonstone	5826 Mascher St., Philadelphia, Pa.	41 Bc
Jones, Wilmot Rufus	Concord, Mass.	14 Bs

DIRECTORY

Name	Home Address	College Address
Knowlton, Stephen Brooks	Haverford, Pa.	D
Lewis, Andrew Lindsay	Broomall, Pa.	68 Bn
Logan, Thomas Megowan	48 E. Washington Lane, Philadelphia, Pa.	35 Bc
Morris, Marriott Canby, Jr.	131 W. Walnut Lane, Germantown, Pa.	38 Bc
Morss, Franklin Crawford, Jr.	6703 Cresheim Road, Mt. Airy, Pa.	28 Bc
Parke, Thomas	Downingtown, Pa.	12 Bs
Pruitt, Dudley McConnell	Hwanghsien, China.	18 F
Rutt, Norman Eby	914 Old Lancaster Rd., Bryn Mawr, Pa.	17 F
Schultz, Robert	Hawley, Pa.	7 F
Scott, Kennett Schurch	Oakbourne, Pa.	28 Bc
Stevenson, John Bryant	1530 Denniston Ave., Pittsburgh, Pa.	66 Bn
Strawbridge, Gordon Weld	School Lane, Germantown, Pa.	15 Bs
Strayer, Charlton Bevan	101 E. Tremont Ave., New York City, N. Y.	9 F
Wagenseller, Wayne MacVeagh	1307 Market St., Harrisburg, Pa.	68 Bn
Wain, Robert Lee	600 Lexington Ave., New York, N. Y.	20 F
*Walton, William Wyclif	315 Oriental Ave., Atlantic City, N. J.	12 F
Warner, Charles, Jr.	2311 W. 11th St., Wilmington, Del.	13 L
*Warriner, Farnham	18th and Walnut Sts., Philadelphia, Pa.	13 L
White, Nelson Arold	Drexel Hill, Pa.	38 Bc
*Wilbur, Harry Lawrence	Haverford, Pa.	D
Williamson, Alexander Jardine	West Chester, Pa.	1 F

SOPHOMORE CLASS

Bader, Charles Frederick, Jr.	163 Main St., Phoenixville, Pa.	58 Bn
Bainbridge, Henry Clay	Beesley's Point, N. J.	17 L
Barry, Robert, 2d	205 N. 36th St., Philadelphia, Pa.	D
Beideman, Casper Melvin	Merchantville, N. J.	6 Bs
Blair, John Fries	210 S. Cherry St., Winston-Salem, N. C.	6 L
*Brinton, Cortland Beadle	Bryn Mawr, Pa.	D
Brinton, Hugh Penn, Jr.	West Chester, Pa.	1 M
*Carpenter, Dean	394 Irving Ave., Port Chester, N. Y.	1 Bs
Carson, John Stanton	230 S. Negley Ave., Pittsburgh, Pa.	10 L
Comfort, Howard	Haverford, Pa.	60 Bn
*Costenbader, Walter Grosh	Slatington, Pa.	18 L
*Edgerton, David Russell	Haverford, Pa.	D
*Ellis, Thomas Southard	5511 Morris St., Germantown, Pa.	59 Bn
Fisher, John Monroe, Jr.	222 S. 15th St., Philadelphia, Pa.	5 L
Fite, George Liddle	138 Fitz Randolph Rd., Princeton, N. J.	64 Bn
*Foulke, Edward	Ambler, Pa.	7 F
Frazier, Charles Harrison, Jr.	1724 Spruce St., Philadelphia, Pa.	69 Bn
Grenwell, Harold Doman	4517 Spruce St., Philadelphia, Pa.	18 L
*Grigg, Percy Chandler	Haddonfield, N. J.	10 F
Hand, William Henry	122 S. Franklyn St., Nyack, N. Y.	20 Bs
Haring, Forrest Chapman	2489 Sedgwick Ave., New York, N. Y.	9 L
Harnwell, Gaylord Probasco	Prospect Hall, Frederick, Md.	60 Bn
Hastings, Stanley Bond	Prescott, Mass.	19 F
Haviland, Paul Robbins	The Knoll, Lansdowne, Pa.	102 M
*Headly, John Frederick	West Grove, Pa.	101 M

HAVERFORD COLLEGE

Name	Home Address	College Address
Heilman, Wesley Marvin	876 Wynnewood Rd., Philadelphia, Pa.	42 Bc
Herrick, Colin James	Girard College, Philadelphia, Pa.	71 Bn
*Hinrichsen, Axel Febiger	Glenolden, Pa.	D
Hogenauer, Howard Jessup	2640 Morris Ave., Bronx, New York, N. Y.	112 M
Howgate, George Washbourne	414 Cartaret St., Camden, N. J.	110 M
*Jefferis, Warren Harper	100 E. Walnut Ave., Merchantville, N. J.	6 Bs
Kamens, Jack Wedler	708 N. Franklin St., Philadelphia, Pa.	D
Keller, Edwin Walker	27 South 16th St., Allentown, Pa.	67 Bn
Leeds, Robert West	162 S. Penn Ave., Atlantic City, N. J.	11 Bs
Longstreth, Richard	826 S. 48th St., Philadelphia, Pa.	69 Bn
Margolis, Abram	129 Main St., Coatesville, Pa.	41 Bc
Mead, Morris William, Jr.	354 Lehigh Ave., Pittsburgh, Pa.	10 L
Morris, Leo Nelson	La Habra, Calif.	14 M
Muller, Frank Fenton	419 Chestnut Lane, Wayne, Pa.	19 Bs
Mullin, Arthur	Pinecrest, West Chester, Pa.	58 Bn
Nash, Charles Edgar	Wyncote, Pa.	6 M
Patterson, Edward Bell	42 W. Walnut Ave., Merchantville, N. J.	6 Ba
*Payne, Harold Carnaby	323 S. 50th Ave., Omaha, Neb.	20 L
Reich, John Frederick	Morris Heights, Morrisville, Pa.	5 F
Rhoads, Philip Garrett	Moorestown, N. J.	61 Bn
*Rittenhouse, John Olmstead	392 Jefferson Ave., Brooklyn, N. Y.	67 Bn
Robertson, James Theodore	1450 Columbus Ave., N. S., Pittsburgh, Pa.	6 L
Roedel, George Joyce	613 Buck St., Millville, N. J.	103 M
Savage, Albert Edward	Low Buildings, Bryn Mawr, Pa.	21 F
Sadtler, George Lewis	1026 Cathedral St., Baltimore, Md.	1 L
Sadtler, Leander Riddle	1026 Cathedral St., Baltimore, Md.	1 L
Smith, James Bennett, Jr.	Eureka, N. Y.	21 F
Sprankle, Joseph Fleming, Jr.	138 E. Long Ave., DuBois, Pa.	17 L
Taylor, Lawrence Newbold	Haverford, Pa.	61 Bn
*Tingley, Charles Love Scott, Jr.	St. Davids Rd., Wayne, Pa.	17 Bs
*Turner, Gordon Mackenzie	351 N. 114th St., New York, N. Y.	70 Bn
VanTine, Edward Postlethwaite	1706 Girard Ave., Philadelphia, Pa.	5 L
Walker, Elwood Thomas	1202 DeKalb St., Norristown, Pa.	63 Bn
*Wallenstein, Nathaniel	118 W. 112th St., New York, N. Y.	67 Ba
*West, William Nelson, 3d	Wynnewood, Pa.	6 M
Wilbur, Donald Elliott	Haverford, Pa.	D
*Wood, Horatio C., 3d	319 S. 41st St., Philadelphia, Pa.	59 Bn

FRESHMAN CLASS

Acton, Conrad Berens	Salem, N. J.	105 M
Arnold, Jerrold Clement	Whittier, Calif.	14 M
Balis, Otis Wanton	137 E. Johnson St., Germantown, Pa.	2 Bs
Ball, Eric Glendinning	1409 Mt. Royal Ave., Baltimore, Md.	116 M
Barton, Francis Carroll, Jr.	114 Park Rd., Llanerch, Pa.	22 F
Bates, Robert Charles, Jr.	Port Deposit, Md.	2 M
Bayer, William Livingston	540 E. 178th St., New York, N. Y.	50 Bn
Bentley, Wray Davison	12 High St., Glen Ridge, N. J.	52 Bn
Billo, Geoffroy	2422 University Ave., New York, N. Y.	50 Bn
Blair, Henry Mitchell, Jr.	111 W. Washington St., Chicago, Ill.	7 L

DIRECTORY

Name	Home Address	College Address
Burns, Roger Shupert	35 Wyoming Ave., Ardmore, Pa.	D
Chadwick, Leigh Edward	16th and R Sts., N. W., Washington, D. C.	29 Bc
Cocks, Rowland C.	Cornwall, N. Y.	30 Bc
Douglas, Lyman Calkins	404 Lawrence Ave., Westfield, N. J.	52 Bn
Eiseman, Douglas Walter	513 N. Clapier St., Germantown, Pa.	109 M
Eiseman, John Alfred	513 N. Clapier St., Germantown, Pa.	111 M
Eshleman, Martin	Denver, Pa.	6 F
Fortescue, Frank Archambault	509 E. Gorgas Lane, Mt. Airy, Pa.	3 Bs
Garrett Philip Cresson	5301 York Rd., Logan, Pa.	51 Bn
Garrett, Thomas Cresson	5301 York Rd., Logan, Pa.	53 Bn
Gordy, Edward Lee	Chambersburg, Pa.	2 F
Gross, Gerald Connop	85 W. Post Rd., White Plains, N. Y.	22 F
Haines, Charles William	Masonville, N. J.	8 F
Harvey, John Sykes Curtis, Jr.	Radnor, Pa.	22 Bs
Heilman, Horace Richard	876 Wynnewood Rd., Philadelphia, Pa.	42 Bc
Hinrichs, William Ernest	76 Lincoln St., Glen Ridge, N. J.	72 Bn
Hollingshead, Irving	Moorestown, N. J.	32 Bc
House, Henry Fleming	1623 Melrose Place, Knoxville, Tenn.	4 L
Hulme, Alfred Parsons	5900 Wayne Ave., Germantown, Pa.	8 Bs
Johnson, Charles Harmony	New Castle, Pa.	3 L
Johnson, Phillips	New Castle, Pa.	3 L
Johnston, Walter Ames	5905 Thompson St., Philadelphia, Pa.	25 Bc
Kumm, Karl H. Grattan Guinness	25 Pine Grove Ave., Summitt, N. J.	15 M
Laug, Edwin Penckert	701 Beechwood Ave., Collingdale, Pa.	32 Bc
Lord, Durrell Learock	Valhalla, N. Y.	30 Bc
Margolis, Julius	129 Main St., Coatesville, Pa.	D
Mathis, Norman	120 Atlantic Ave., Atlantic City, N. J.	2 L
Meeks, Harold Edwin	Meriden, Conn.	7 Bs
Montgomery, Hugh	Woods Hole, Mass.	104 M
Nieh, Kwangchi Christopher	22 Wayside Rd., Shanghai, China	63 Bn
*Oliver, Robert Hugh Henderson	522 N. Church St., West Chester, Pa.	5 Bs
Peck, Horace Sill, Jr.	Tenafly, N. J.	108 M
Pennock, Edward Garrett	243 Harvey St., Germantown, Pa.	56 Bn
Pittman, Chalmers Van Englen	5214 Greene St., Germantown, Pa.	4 F
Prokosch, Frederick	Bryn Mawr, Pa.	D
*Reinhardt, David Jones, Jr.	Ford Building, Wilmington, Del.	8 Bs
Rice, Willard Martin, IV	647 W. Phil-Ellena St., Germantown, Pa.	7 L
Rogers, William Davis	Medford, N. J.	3 F
Sanders, James Montgomery	706 Reservoir St., Baltimore, Md.	114 M
Sassaman, Walter Russell	Glenside, Pa.	107 M
Schulze, John Lewis, Jr.	104 Benedict Ave., South Ardmore, Pa.	D
Sellers, Charles Coleman	Glenn Rd., Ardmore, Pa.	4 Bs
Silver, John Archer	Aberdeen, Md.	53 Bn
Smith, Rutledge Fell	319 North 16th St., Philadelphia, Pa.	40 Bc
Starbuck, John Clinton	Media, Pa.	51 Bn
Stifter, Francis McIlhenny	Evanston, Ill.	26 Bc
Stokes, Walter Percival, Jr.	Holmesburg, Pa.	55 Bn
Strong, Henry Hooker	31 Pennsylvania Ave., Coatesville, Pa.	22 Bs

HAVERFORD COLLEGE

Name	Address	College Address
Taney, Robert Brooke	Media, Pa.	8 L
Taubel, Louis Edward	Wildwood Crest, N. J.	D
Taylor, Harold Benjamin	Malvern, Pa.	D
Thomas, George, IV	Whitford, Pa.	56 Bn
Thomas, Raymond Moore	Wayne, Pa.	30 F
Turner, Paul Flagler	Haverford, Pa.	D
Vandever, Henry Shreve	2101 Van Buren St., Wilmington, Del.	2 L
Warfield, Benjamin Breckinridge	Chambersburg, Pa.	7 Bs
Watson, James Rose	3270 Orleans St., Pittsburgh, Pa.	4 L
Weisser, Charles O'Neil	5732 Walnut St., Pittsburgh, Pa.	106 M
Willey, Stanley Edward	5335 Locust St., Philadelphia, Pa.	25 Bc
Willson, Hugh Latimer	53 Roberts Ave., Haddonfield, N. J.	29 Bc
Wright, Austin, Jr.	116 E. Penn St., Bedford, Pa.	115 M
Yerkes, Harman Alfred	246 North 17th St., Philadelphia, Pa.	30 F

SUMMARY

Graduate Students	4
Seniors	46
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Sophomores	62
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Total	229

GEOGRAPHICAL DISTRIBUTION

California	2
Colorado	2
Connecticut	1
Delaware	4
District of Columbia	2
Illinois	3
Maryland	9
Massachusetts	4
Missouri	1
Nebraska	2
New Jersey	31
New York	22
North Carolina	1
Ohio	1
Pennsylvania	140
Tennessee	1
Vermont	1
Foreign Countries	2
Total	229

DIRECTORY

FACULTY AND OFFICERS

	Address (Haverford unless otherwise noted)	Telephone (Ardmore Exchange)
Babbitt, Dr. James A.	3 College Ave.	50
Barrett, Don C.	Walnut Lane	934 W
Carpenter, James McF., Jr.	Woodside Cottage	522 W
Chase, Oscar M.	Founders Hall	564 J
Comfort, William W.	Walton Field	455
Grant, Elihu	8 College Lane	258 W
Hinchman, Walter S.	1 College Circle	1510
Johnston, Robert J.	Founders Hall	564 J
Jones, Rufus M.	2 College Circle	97 J
Kelly, John A.	Founders Hall	564 J
Kelsey, Rayner W.	11 College Ave.	563 W
Lockwood, Dean P.	6 College Circle	522 J
Lunt, William E.	5 College Lane	1507 W
Meldrum, W. Buell	13 College Ave.	
Palmer, Frederic, Jr.	Haverford Inn	1489
Post, L. Arnold	9 College Lane	258 M
Pratt, Henry S.	4 College Circle	942 J
Rantz, J. Otto	Highland Park, Pa.	
Reid, Leigh W.	Merion Cottage	986 W
Rittenhouse, Leon H.	6 College Lane	285 J
Sanger, George T.	Founders Hall	564 J
Snyder, Edward D.	15 College Ave.	1509 W
Watson, Frank D.	5 College Ave.	203 W
Wilson, Albert H.	7 College Ave.	216

COLLEGE OFFICE AND BUILDING TELEPHONES*

Alumni Secretary	1441
Barclay Hall, North	439 W
Barclay Hall, South	439 J
Barclay Hall, Centre	68
Chemical Building	988 J
Dean	1441
Founders Hall	564 J
Founders Hall, Dormitory	1939 W
Graduate School	258 W
Gymnasium	754 W
Infirmary	763
Lloyd Hall, Rooms 1-4	564 W
Lloyd Hall, Rooms 5-12	1444
Lloyd Hall, Rooms 13-22	1427
Merion Hall	267 J
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Power House	988 W
Registrar	221

* Ardmore Exchange.

GENERAL ALUMNI ASSOCIATION OF HAVERFORD COLLEGE

President

J. STOGDELL STOKES, '89
Summerdale, Philadelphia, Pa.

Secretary

ALBERT E. ROGERS, '21
Haverford College, Pa.

Treasurer

WILLIAM H. HAINES, JR., '06
500 W. Cheltenham Ave., Germantown, Pa.

OFFICERS OF LOCAL ALUMNI ASSOCIATIONS

New England Haverford Alumni Association

President—REUBEN COLTON, '76, 157 Newbury
Street, Boston, Mass.

Secretary—CHARLES F. BROWN, '17, % Harris,
Forbes & Co., 35 Federal Street, Boston, Mass.

New York Haverford Alumni Association

President—A. S. COOKMAN, '02, 85 Wall Street, New
York City, N. Y.

Secretary—EUGENE R. SPAULDING, '10, Hohokus,
N. J.

Haverford Society of Maryland

President—WM. R. DUNTON, JR., '89, Towson,
Maryland.

Secretary—FREDERICK P. STIEFF, JR., '13, 315 N.
Howard Street, Baltimore, Md.

DIRECTORY

Pittsburgh Haverford Alumni Association

President—GIFFORD K. WRIGHT, '93, 1012 Park Building, Pittsburgh, Pa.

Secretary—BERNARD LESTER, '04, 751 South Linden Avenue, Pittsburgh, Pa.

Chicago Haverford Alumni Association

President—A. C. WILD, '99, 105 South LaSalle Street, Chicago, Ill.

Secretary—CHARLES T. MOON, '12, 333 West Lake Street, Chicago, Ill.

Cleveland Haverford Alumni Association

President—JOHN F. WILSON, ex-'10, 1518 Guardian Building, East Cleveland, Ohio.

Secretary—ELLIOT FIELD, '97, 8919 Carnegie Avenue, Cleveland, Ohio.

Haverford Alumni Association of Kansas City, Mo.

President—WALTER W. WHITSON, '08, % Kansas City Provident Association, 1115 Charlotte Street, Kansas City, Mo.

Secretary—C. MITCHELL FROELICHER, '10, % Kansas City Country Day School, 51st and Ward Parkway, Kansas City, Mo.

Haverford Society of Kansas

President—BERT C. WELLS, '04, Atchison, Kansas.

Secretary—CYRUS W. FALCONER, '15, 1526 N. Holyoke St., Wichita, Kansas.

HAVERFORD COLLEGE

Golden Gate Haverford Alumni Association

President—WALTER MORRIS HART, '92, 2255 Piedmont Avenue, Berkeley, Calif.

Secretary—ALFRED W. ELKINTON, '14, Sixth and Grayson Streets, Berkeley, Calif.

Southern California Haverford Alumni Association

President—RALPH W. TRUEBLOOD, '05, 5142 West Boulevard, Los Angeles, Calif.

Secretary—JOSHUA L. BAILY, '12, 4435 Ampudia Street, San Diego, Calif.

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Haverford College Athletics

1921 - 1922



Edited in the Interest of Haverford

FOREWORD

The athletic situation at Haverford is still transitional although there has never been a more general participation in athletic sports than during the past year.

Perhaps the three most successful features of the year have been the general athletic development under Coach Haddleton, the reconstruction of the college athletic constitution and the development of a real authoritative athletic direction under the executive committee of nine.

The result of the athletic development has been a really successful track season with two important victories and a close Swarthmore contest. In developing these athletics the Freshman indoor and track meets were held with various schools in the neighborhood, one direct result being the breaking of a college record by H. Montgomery in the Javelin. An interesting event of the year was the holding of the Interacademic Athletic Championship on Walton Field on May 26th, by invitation from the college.

The cricket field has resumed much of its old time attractiveness in college life under the tutelage of President Comfort and Professor Hinchman.

Under Coach Harmon spring football practice was instituted and we expect much from his work in the fall.

The athletic situation is improving, though slowly and we ask the continued patience of our loyal Alumni. The editor would express his appreciation for the help rendered by the captains and managers of the various teams in collaborating the athletic results of the year.

JAMES A. BABBITT.

June 1, 1922.

Haverford College

Department of Physical Education

WILLIAM WISTAR COMFORT, PH.D., LITT.D., LL.D.
President.

JAMES A. BABBITT, A.M., M.D.
Professor of Hygiene and Physical Training.

ARLINGTON EVANS
Instructor in Physical Training.

DR. M. S. BENNETT
Coach of Football.

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Coach of Track Teams.

DANIEL OATES
Coach of Soccer.

DR. L. R. DAVIS
Coach of Basketball.

A. McCORMICK
Coach of Baseball.

A. MACINTOSH
Assistant in Athletics.

H. NORMAN THORN
Chairman, Alumni Athletic Committee.

JOHN L. SCULL
Treasurer of the Athletic Association.

ALBERT E. ROGERS
Graduate Manager.

Executive Athletic Committee

PRESIDENT COMFORT, <i>Chairman</i>	H. NORMAN THORN
A. E. ROGERS, <i>Secretary</i>	PAUL H. SANGREE
DR. JAMES A. BABBITT	HAROLD M. GRIGG, '22
PROF. L. W. REID	W. B. HEILMAN, '22

Alumni Committee on Athletics, 1921-1922H. NORMAN THORN, *Chairman*

DR. JAMES A. BABBITT

LORING DAM

JOHN L. SCULL

J. M. CROSSMAN

PAUL H. SANGREE

A. MACINTOSH

W. T. KIRK, 3RD

C. C. MORRIS

Athletic CabinetHAROLD M. GRIGG, '22, *President* W. B. HEILMAN, '22H. T. BROWN, JR., '23, *Secretary* ROBERT R. MATZKE, '22

NATHAN B. SANGREE, '22 C. M. SNADER, '22

T. L. FANSLER, '22 K. B. WALTON, '22

A. K. BUCKNELL, '22 W. R. JONES, '23

A. G. MUENCH, '22 J. L. SCULL, '05, *Ex-officio*R. W. JANNEY, '22 A. E. ROGERS, '21, *Ex-officio*DR. JAMES A. BABBITT, *Chairman Ex-officio***Athletic Association**HAROLD M. GRIGG, '22, *President*W. R. JONES, '23, *Secretary*J. L. SCULL, '05, *Treasurer***The Athletic Cabinet***Purpose.*

This group is selected from representative men in College, partly by appointment and partly by election, and is organized (a) for conference upon important college athletic affairs, (b) for taking the initiative in important college innovations, and (c) for bringing into harmonious co-operation the various college athletic organizations. It shall act as college host to visiting athletic alumni whenever opportunity presents. It shall in no way influence college politics nor administer athletic finances, and shall act in advisory rather than executive capacity.

Membership.

Its members shall consist of twelve men, including the chairman *ex-officio* and the treasurer of the college Athletic Association, and the captains of the Football, Soccer, Gymnasium, Basketball, Track, Baseball, and Cricket teams respectively. The remaining members shall be elected by ballot of the retiring cabinet.

Meetings.

Meetings shall be held when feasible upon the first Tuesday evening of each month upon the invitation of the *ex-officio* host. When this date conflicts with other College appointments, meeting shall be arranged by conference between the president and chairman.

Special sessions shall be called as need requires.

Officers.

Officers shall consist of a president and secretary, elected at the first meeting of the year. These two, with the chairman *ex-officio* shall constitute the executive committee.

Special Functions.

The cabinet shall direct the various interscholastic meetings at the College; shall assist in the alumni athletic gatherings during the year, confer upon matters presented from the Faculty Athletic Committee and consider all questions of intercollegiate importance.

New Constitution of the Haverford College Athletic Association

NOTE: The terms Senior, Junior, and Sophomore are used in this Constitution with reference to the year in which the student elected shall be at the time of his service.

ARTICLE I.

Name.

This Association shall be known as the Haverford College Athletic Association.

ARTICLE II.

Object.

The object of this Association shall be to control and further the athletic interests of Haverford College.

ARTICLE III.

Membership.

SECTION 1. There shall be two classes of membership in this Association, Active Membership and Associate Membership.

All members of the Students Association of Haverford College are Active Members of this Association. All members of the Faculty of Haverford College and all members of the Alumni Association of Haverford College are eligible as Associate Members of this Association.

SECTION 2. All Active Members of this Association shall be assessed fifteen dollars (\$15) per annum as dues. If an Active Member is in attendance as a member of the Students Association for only one-half year or less but for more than one month, he shall be assessed seven and one-half dollars (\$7.50) as dues. All Active Members shall be entitled to admission to all home athletic contests and to the Haverford-Swarthmore football game.

All members of the Faculty and all members of the Alumni Association shall become Associate Members of this Association on payment of five dollars (\$5) per annum as dues. An Asso-

ciate Member shall receive a card admitting him to all home athletic contests, except to the Haverford-Swarthmore football game.

ARTICLE IV.

Executive Athletic Committee.

SECTION 1. The executive power of this Association shall be vested in an Executive Athletic Committee.

The Executive Athletic Committee shall consist of three members of the Students Association, three members of the Faculty, including the President of the College and the Athletic Director of the College, and three members of the Alumni Association, including the Graduate Manager of Athletics.

SECTION 2. The three members of the Students Association shall be elected by the Students Council serving the past year. The election shall take place after the election of the Students Council to serve the following year, but prior to the new Students Council entering upon office. The three members of the Students Association shall preferably though not necessarily not be members of the newly elected Students Council. They shall enter upon office in their Senior year and serve for one scholastic year. The remaining member of the Faculty shall be appointed annually by the President of the College. The Graduate Manager shall receive office as specified in Article VI, Section 1. The two remaining members of the Alumni Association shall be elected by the Alumni Executive Committee and shall hold office for one scholastic year.

Any member of the Committee shall be eligible for re-election or re-appointment.

SECTION 3. In event any member of the Executive Athletic Committee shall fail to fulfill his term of office, a new member shall be elected to office in the same manner as his predecessor.

SECTION 4. The officers of the Executive Athletic Committee shall be a Chairman and a Secretary. These shall be a member of the Faculty and a member of the Students Association respectively. The officers shall be elected annually by the Executive Athletic Committee at its first meeting in the scholastic year. The officers shall assume such duties as are specified in Article V.

The first meeting in the scholastic year shall be called by the Chairman of the previous year. If he has not succeeded himself in office as a member of the Executive Athletic Committee, the President of the College shall call the first meeting of the Executive Athletic Committee in the scholastic year for the election of officers.

SECTION 5. The Executive Athletic Committee shall meet at

(a) The call of the Chairman; or

(b) The written request of any two (2) members of the Committee.

A quorum of the Executive Athletic Committee shall consist of not less than one member of the Students Association, one member of the Faculty, and one member of the Alumni Association, in addition to the acting officers.

SECTION 6. The Executive Athletic Committee shall have ultimate authority in all matters which may arise in connection with Haverford College athletics.

It shall be the duty of the Executive Athletic Committee to elect the Graduate Manager of Athletics and make all regulations in his regard as may seem necessary. The executive Athletic Committee shall elect its Secretary as specified in Article V, Section 2. The schedules of all the recognized departments for all meets and contests as drawn up by the Graduate Manager shall be subject to its approval. All awards as passed by the Committee on Awards in each department shall be subject to its approval. It shall designate an expert to audit at least once every year the accounts of the Treasurer, who shall be the Graduate Manager. The election of Captain, Manager, and Assistant Manager of each department shall be subject to its approval, and, if at any time a change in any or all of these three offices shall appear desirable to the Executive Athletic Committee, it shall have the power to displace any or all of the officers previously elected and appoint new officers to serve until a new Captain, Manager, or Assistant Manager shall be elected in the customary manner. The Executive Athletic Committee shall have power to regulate the coaching systems of the departments and make changes and innovations as it may deem necessary.

ARTICLE V.

Officers of the Executive Athletic Committee.

SECTION 1. The Chairman of the Executive Athletic Committee shall be elected from the three Faculty members of the Executive Athletic Committee by the Executive Athletic Committee at its first meeting in the scholastic year.

As Chairman of the Executive Athletic Committee he shall call all meetings of the Executive Athletic Committee and preside over them. He shall be an *ex-officio* member of all committees appointed or created by this body, and he shall appoint all committees not otherwise provided for. He shall receive all communications for the Executive Athletic Committee.

SECTION 2. The Secretary of the Executive Athletic Committee shall be elected from the three representatives from the Students Association to the Executive Athletic Committee by the Executive Athletic Committee at its first meeting in the scholastic year.

The Secretary of the Executive Athletic Committee shall be directly responsible to the Executive Athletic Committee.

As Secretary of the Executive Athletic Committee he shall keep an accurate record of all meetings and send a copy of all minutes to each member of the Executive Athletic Committee. In the absence of the Chairman he shall preside over meetings of the Executive Athletic Committee.

He shall act as Secretary of the Nominating Committee. As such he shall keep an accurate record of all meetings of the Nominating Committee. In the absence of the Chairman he shall preside over meetings of the Nominating Committee.

He shall become an *ex-officio* member of the Students Council of the Students Association subsequent to his election as Secretary of the Executive Athletic Committee. As such he shall represent the athletic interests of the College on the Students Council.

ARTICLE VI.

Graduate Manager of Athletics.

SECTION 1. The Graduate Manager of Athletics shall be elected by the Executive Athletic Committee.

SECTION 2. The Graduate Manager shall be responsible for all actions in his official capacity to the Executive Athletic Committee. He shall act in an executive capacity. He shall execute the policies of the Executive Athletic Committee and shall dispense with all matters which are not sufficiently important to come before the Executive Athletic Committee.

SECTION 3. He shall act as Treasurer of the Athletic Association. As such he shall receive and be custodian of all funds belonging to the Association as specified in Article XIV and shall disburse them according to his best judgment. He shall not disburse sums greater than fifty dollars (\$50) unless such expenditure shall have been approved by the Executive Athletic Committee. He shall publish an annual report in some undergraduate publication, and in the Athletic Annual, fully itemized, and showing the exact expenses of each department. He shall present his accounts to be audited by an expert designated by the Executive Athletic Committee as often as the Executive Athletic Committee shall desire. He shall see that funds for special uses are so expended. He shall see that a budget system covering all expenses is instituted and adhered to.

SECTION 4. He shall have control of the formation of schedules for all departments of the Athletic Association. All actions of the Management in each department shall be subject to his approval. He shall see that all men awarded letters, insignia, and numerals in each department receive a certificate attesting the same as specified in Article II of the By-Laws. He shall keep on file a complete record of the season for each department as presented by the Committee on Awards in each department and approved by him.

For meets and contests away from home the budget as presented by the Manager of each department shall be subject to his approval. The amount of this budget shall be paid by the Graduate Manager to the Manager, the Graduate Manager taking the Manager's receipt. It shall be his aim to always provide the Manager with a sufficient amount to cover all expenses, having as a result a balance in the Manager's hands upon his return rather than a deficit.

For meets and contests at home the Graduate Manager shall be responsible for all arrangements for officials, tickets, grounds, etc., the Manager's responsibilities ending with getting the team on the field properly equipped and ready to play unless otherwise directed by the Graduate Manager, in which case he shall be responsible for the duties assigned to him by the Graduate Manager.

All orders for equipment as prepared by the Manager shall be subject to his approval. Such equipment as is ordered shall be charged to him.

SECTION 5. He shall act as Chairman of the Nominating Committee. As such he shall call all meetings of the Nominating Committee and shall preside over them. He shall receive all communications for the Nominating Committee.

ARTICLE VII.

Nominating Committee.

SECTION 1. The Nominating Committee shall consist of the Graduate Manager and the three representative members of the Students Association elected to the Executive Athletic Committee.

SECTION 2. The Graduate Manager shall receive office as specified in Article VI, Section 1, and the members of the Students Association shall be elected as specified in Article IV, Section 2.

SECTION 3. The officers of the Nominating Committee shall be a Chairman and a Secretary. These shall be the Graduate Manager and the Secretary of the Executive Athletic Committee respectively. They shall assume such duties as are specified in Article VI, Section 5, and Article V, Section 2, respectively.

SECTION 4. The Nominating Committee shall meet at

(a) The call of the Chairman; or

(b) The written request of any other two (2) members of the Committee.

A quorum of the Nominating Committee shall consist of the Graduate Manager and not less than two other members of the Committee.

SECTION 5. The Nominating Committee shall nominate for each department not less than six Sophomores for Sub-Assistant Managers preferably though not necessarily from a list of candidates which the Manager of each department may present.

In event of a vacancy in the Managership of any department, the Nominating Committee shall nominate two Seniors, from whom the Team Squad shall elect one as Manager. These shall be preferably though not necessarily the defeated Sub-Assistant Managers of the department.

In event of a vacancy in the Assistant Managership of any department, the Nominating Committee shall nominate three Juniors, from whom the Team Squad shall elect one as Assistant Manager. These shall be preferably though not necessarily the defeated Sub-Assistant Managers of the previous season.

In event of a vacancy in the Sub-Assistant Managership of any department, the Nominating Committee shall nominate three Sophomores, from whom the Team Squad shall elect one as Sub-Assistant Manager.

In event the Executive Athletic Committee decides that a change of Manager is desirable, the Nominating Committee shall nominate two Seniors, from whom the Team Squad shall elect one as Manager. These shall be preferably though not necessarily the defeated Sub-Assistant Managers of the department.

ARTICLE VIII.

Departments.

SECTION 1. There shall be eight departments in the Haverford College Athletic Association, namely—, Football, Soccer, Gymnasium, Basketball, Track, Baseball, Tennis, and Cricket.

SECTION 2. Each of these departments shall consist of a Captain; the Management comprising a Manager, an Assistant Manager, and four Sub-Assistant Managers; the existing coach, if there is any; a Committee on Awards; a Regular Team; and a Team Squad.

ARTICLE IX.

Captain.

SECTION 1. The Captain of each department shall be elected by the Regular Team selected as specified in Article XIII imme-

diately after the last game of the season. The election shall be by secret ballot, shall be conducted by the Committee on Awards, and shall be subject to the approval of the Executive Athletic Committee. Only members of the Regular Team shall be eligible for election.

SECTION 2. In event a Captain shall fail to fulfill his term of office or is removed from office by the Executive Athletic Committee, a new Captain shall be elected by the Regular Team in the customary manner to serve for the balance of his predecessor's term of office.

SECTION 3. The Captain of each department shall act in his capacity of leadership to create greater enthusiasm and harmony of action among the members of and candidates for the team which he captains.

SECTION 4. He shall be *ex-officio* Chairman of the Committee on Awards in the department of which he is Captain. As such he shall call all meetings of the Committee on Awards and shall preside over them. He shall receive all communications for the Committee on Awards in his department.

ARTICLE X.

Management.

SECTION 1. The Management of each department shall consist of a Manager, an Assistant Manager, and four Sub-Assistant Managers.

SECTION 2. The Manager of each department shall be the Assistant Manager of the previous season subject to the approval of the Team Squad immediately after the last game of the season. If the Assistant Manager has proved himself incapable of properly performing a Manager's duties, the Team Squad shall have full power to elect a new Manager from two Seniors nominated by the Nominating Committee. The Team Squad shall have full power in deciding upon the capability of an Assistant Manager.

The Assistant Manager of each department shall be elected by the Team Squad immediately after the last game of the season from the four Sub-Assistant Managers serving the previous season.

The Sub-Assistant Managers of each department shall be elected by the Team Squad from not less than six Sophomores nominated by the Nominating Committee.

The election of a Manager, an Assistant Manager, and four Sub-Assistant Managers shall be by secret ballot, shall be conducted by the Committee on Awards, and shall be subject to the approval of the Executive Athletic Committee. The Executive Athletic Committee will preferably not approve the election of a student as Manager or Assistant Manager of any department if that student is a member of the Team Squad of that department.

SECTION 3. In event a Manager shall fail to fulfill his term of office or is removed from office by the Executive Athletic Committee, a new Manager shall be elected by the Team Squad from two Seniors nominated by the Nominating Committee. These shall be preferably though not necessarily the defeated Sub-Assistant Managers of the department.

In event an Assistant Manager shall fail to fulfill his term of office or is removed from office by the Executive Athletic Committee, a new Assistant Manager shall be elected by the Team Squad from three Juniors nominated by the Nominating Committee. These shall be preferably though not necessarily the defeated Sub-Assistant Managers of the previous season.

In event a Sub-Assistant Manager shall fail to fulfill his term of office, a new Sub-Assistant Manager shall be elected from three Sophomores nominated by the Nominating Committee.

SECTION 4. The Manager of each department shall be directly responsible to the Graduate Manager and all his actions shall be subject to the approval of the Graduate Manager.

The Manager shall order such equipment for his team as has been approved by the Graduate Manager. He shall make all arrangements for trips which are to be taken by the team of his department subject to the approval of the Graduate Manager and shall see that all trips are properly conducted. He shall prepare a budget for each trip in co-operation with the Graduate Manager. This amount shall be paid by the Graduate Manager to the Manager, for which the Manager shall give the Graduate Manager a receipt. Immediately after each trip the Manager shall give the Graduate Manager an itemized account of the

trip on forms provided by the Graduate Manager and shall return the guarantee intact, all other incomes, and the balance in his hands above the actual expenses of the trip. The Manager shall see that all visiting teams for his department are properly met and receive proper attention until their departure.

The Manager is requested to present a list of candidates for Sub-Assistant Managers to the Nominating Committee.

The Manager shall be a member of the Committee on Awards. As such he shall prepare a complete record of the season in which he has been Manager, including the scores of all meets and contests, names of all men participating in each game, a list of the Regular Team, and a list of the Team Squad.

The Assistant Manager of each department shall be directly responsible to the Manager of that department. He shall perform such duties and render such assistance as the Manager may require.

The Sub-Assistant Managers of each department shall be responsible to the Assistant Manager and Manager of that department. They shall perform such duties and render such assistance as they may require.

ARTICLE XI.

Coach.

SECTION 1. The Coach of each department shall be appointed by the Executive Athletic Committee, which shall make such regulations in his regard as it may deem fitting and necessary.

SECTION 2. He shall be directly responsible to the Executive Athletic Committee and shall have such relations with the Executive Athletic Committee as they shall stipulate in their contract with him.

He shall be a member of the Committee on Awards and as such shall be responsible for the duties which it may require of him.

ARTICLE XII.

Committee on Awards.

SECTION 1. The Committee on Awards in each department shall consist of the Captain, Manager, and Coach of that depart-

ment chosen as specified in Articles IX, X, and XI respectively.

SECTION 2. The officers of the Committee on Awards shall be the Chairman who shall be the Captain. He shall receive office and assume such duties as are specified in Article IX.

SECTION 3. The Committee on Awards shall meet at the request of any member of the Committee. No business shall be transacted in the absence of any member of the Committee.

SECTION 4. The Committee on Awards shall select the Regular Team and Team Squad in accordance with the regulations of Article XIII. It shall select the members of the team who shall compete in each meet or contest of that department. It shall decide what candidates for the team of that department shall be taken on a trip when there is a meet or contest away or shall report dressed for a meet or contest at home.

The Committee on Awards shall arrange a schedule of practices for the team and candidates for the team. In conjunction with the Athletic Director of the College it shall decide what the training rules for that department shall be. It shall see that each member of the team and candidate for the team is acquainted with these rules and adheres to them. It shall conduct all elections of the Regular Team and Team Squad for Captain, Manager, Assistant Manager, and Sub-Assistant Manager as specified in Articles IX and X. It shall decide upon all awards for the past season subject to the approval of the Executive Athletic Committee. It shall keep the results of all elections and awards secret until publication of the same is authorized by the Executive Athletic Committee.

ARTICLE XIII.

Regular Team and Team Squad

SECTION 1. The Regular Team in each department shall consist of all men receiving the Varsity Letter in that department and of such Numeral men and other members of the Team Squad as the Committee on Awards shall choose, provided that all Numeral men shall be chosen before any other members of the Team Squad are chosen. The Regular Team shall at no time consist of more than two men above the number of men on a

team nor less than the number of men on a team. The Regular Team shall meet at the call of the Committee on Awards.

It shall be the duty of the Regular Team to elect the Captain for the following season as specified in Article IX, Section 1.

SECTION 2. The Team Squad in each department shall consist of such men as are chosen by the Committee on Awards in accordance with the following regulations.

The Team Squad shall be defined in each department as follows:

(a) Football—Not less than twenty-two men, including all men who have participated in any intercollegiate varsity game during the season.

(b) Soccer—Not less than twenty-two men, including all men who have participated in any intercollegiate varsity game during the season.

(c) Gymnasium—All men performing in any varsity meet or varsity exhibition during the season.

(d) Basketball—Not less than ten men, including all men who have participated in any intercollegiate varsity game during the season.

(e) Track—All men performing in any intercollegiate varsity meet during the season.

(f) Baseball—Not less than eighteen men, including all men who have participated in any intercollegiate varsity game during the season.

(g) Tennis—All men playing in any intercollegiate varsity match during the season.

(h) Cricket—Not less than twenty-two men, including all men who have participated in any varsity match during the season.

The Team Squad shall meet at the call of the Committee on Awards.

It shall be the duty of the Team Squad to elect the Manager, Assistant Manager, and Sub-Assistant Managers as specified in Article X.

ARTICLE XIV.

Finances.

SECTION 1. All funds belonging to this Association shall be in the hands of the Graduate Manager as specified in Article VI, Section 3. These funds shall include all dues of all members as specified in Article III, Section 2; all gate receipts and guarantees received; and all contributions and other receipts for the benefit of the Athletic Association. At the beginning of each scholastic year the President of the College shall submit a budget of the funds of the College available for athletic purposes, said budget to be strictly adhered to by the Executive Athletic Committee for funds from this source.

SECTION 2. All funds shall be expended by the Graduate Manager according to his best judgment. He shall not disburse sums greater than fifty dollars (\$50) until such expenditure shall have been approved by the Executive Athletic Committee.

Orders for equipment as approved by the Graduate Manager shall be charged to the Graduate Manager.

Expenditures for trips shall be made as specified in Article VI, Section 4, and Article X, Section 4.

ARTICLE XV.

By-Laws.

The By-Laws of this Association may be amended or suspended by a two-thirds vote of the members of the Executive Athletic Committee present at any meeting.

ARTICLE XVI.

Amendment to Constitution.

This Constitution may be amended by a two-thirds vote of the Executive Athletic Committee provided that each member of the Executive Athletic Committee receive a copy of the proposed amendment at least one week prior to said vote. Any amendment thus adopted may be voted by a two-thirds vote of the Students Association or of the Faculty or of the Alumni Association within two weeks after its adoption.

By-Laws of the Haverford College Athletic Association

ARTICLE I.

Eligibility Rules.

SECTION 1. The eligibility rules for all Haverford College athletics shall be as stated herein except wherein they shall be supplemented by the rules of any conference, association, or organization of which the Haverford College Athletic Association is a member.

SECTION 2. No student shall be allowed to represent the College in any athletic contest either individually or as a member of any team who either before or since entering the College shall have engaged for money in any athletic competition, whether for stake or money prize, or a share of the entrance fees or admission money; or who shall have competed under a false name in any athletic exercise; or who shall have taught or pursued as a means of livelihood any athletic exercise; or who shall have directly or indirectly accepted or received remuneration for training or coaching any other person in any athletic exercise, for acting as referee, judge, umpire, scorer, manager, director, or in any other capacity at any professional exhibition or contest of any athletic exercise.

Nothing herein shall be construed to prohibit the acceptance by a person of his necessary traveling expenses incurred as referee, judge, umpire, scorer, or starter, in going to and from the place of any amateur contest; or the acceptance of compensation for services rendered as ticket-taker or ticket-seller at any contest or exhibition of amateur athletics; or the acceptance of compensation for services personally rendered as secretary, treasurer, manager, or superintendent of any amateur athletic club; or receiving compensation as editor, manager, director, correspondent, reporter of, or contributor to any sporting, athletic, or other paper or periodical.

SECTION 3. No one shall play on any College team in any contests who is not a bona-fide student of the College, regularly registered and in good standing.

SECTION 4. No student who is admitted to Haverford College from another university or college shall be permitted to participate in intercollegiate athletic contests within a period of one-half year from date of admission.

SECTION 5. No student shall represent the College in athletic contests for more than four years.

SECTION 6. Any student holding a degree from a recognized college or university is ineligible to represent Haverford College in intercollegiate athletic contests.

SECTION 7. No student shall be allowed to represent the College on any Varsity or Class team under an assumed name.

ARTICLE II.

Awards.

SECTION 1. All awards by the Haverford College Athletic Association shall be made by the Committee on Awards in each department subject to the approval of the Executive Athletic Committee.

SECTION 2. The awards which may be given in recognition of athletic ability and service to the College are: Varsity Letter, Varsity Insignia, and Class Numerals.

Upon vote of the Team Squad the Committee on Awards may include in its awards an award of a charm to the manager for his services.

No man shall receive more than one award in any one department in any one season.

SECTION 3. Each man awarded a Varsity Letter or Varsity Insignia shall receive a certificate attesting the same and signed by the President of the College, the Athletic Director and the Captain of the department awarding the letter.

Each man awarded the Class Numerals shall receive a certificate attesting the same and signed by the Athletic Director and the Captain of the department awarding the numerals.

SECTION 4. Each man shall receive a sweater with the first Varsity Letter which has been awarded to him in each department.

SECTION 5. No person shall be entitled to wear any emblem

or award, uniform or parts of uniform, except on the field or in a meet and then only when authorized to such effect, until that person shall have been authorized to do so by the Committee on Awards.

SECTION 6. The Varsity H for all branches of athletics shall be as follows: (a) On all coat sweaters and jerseys the H shall be block and shall be $2\frac{3}{4}$ inches across (not including the block) and $4\frac{1}{2}$ inches high. The block shall extend $\frac{1}{2}$ inch beyond the bar and shall be $\frac{1}{2}$ inch thick at the base, tapering to $\frac{3}{8}$ inch at the end. The base shall be $\frac{3}{4}$ inch thick. (b) On all V-neck sweaters the H shall be straight, 4 inches wide and $5\frac{1}{2}$ inches high, the base shall be 1 inch thick, except the Cricket and Baseball H, which shall be block H's.

The Varsity Insignia shall be as specified in those departments in which they may be awarded.

In each department the Class Numerals and sweaters shall be identical in color and style, respectively, with the regulation Varsity H and sweater as prescribed for that department. The numerals shall be plain Arabic numerals, $3\frac{1}{2}$ inches high and $\frac{3}{4}$ inch thick.

The Charm awarded to Managers shall be gold in the form of an H properly engraved.

ARTICLE III.

Football.

SECTION 1. The football jersey shall be black, with sleeves striped, alternating scarlet and black, the stripes being two (2) inches wide. The jersey may not be worn off the athletic field.

SECTION 2. The football sweater shall be a solid black coat or V-neck sweater with the regulation scarlet Varsity H. The football H shall be awarded each year to not more than twelve (12) men.

SECTION 3. Numerals may be awarded to not more than five (5) men in recognition of conscientious work during the season either on the Varsity or scrub teams.

ARTICLE IV.

Soccer.

SECTION 1. (a) The Varsity soccer uniform shall consist of a gray shirt with a scarlet and black stripe, 3 inches wide, running diagonally over the right shoulder; black trousers, scarlet belt and black stockings with a 4-inch scarlet horizontal stripe. The soccer shirt must be worn by a player in any First Team game.

(b) The Second Team uniform shall be similar to that of the Varsity, except that the shirt shall have no stripe. This shirt must be worn by a player in any Second Team game.

SECTION 2. The soccer sweater shall be a solid white coat or V-neck sweater, with the regulation scarlet Varsity H. The soccer H shall be awarded each year to not more than eight (8) men, except that eleven (11) H's may be awarded to a team winning the Intercollegiate Championship.

SECTION 3. Numerals may be awarded to not more than five (5) men who are adjudged to be the most deserving on the Varsity or Second Team.

ARTICLE V.

Gymnasium.

SECTION 1. The gymnasium costume shall be a leotard having a scarlet front, rounded at the bottom and extending as far as the shoulder, and buttoning over the shoulder, and black tights with a scarlet belt.

SECTION 2. The gymnastic sweater shall be either a scarlet coat sweater having a black border $1\frac{3}{4}$ inches wide, black wristlets 4 inches deep and a black block H, or a scarlet V-neck sweater having a black band $1\frac{3}{4}$ inches wide on the skirt, and the regulation black straight H. The gymnastic H may be awarded each year only to those persons who have won one first place and ten other points in dual meets or a place in the Intercollegiates.

SECTION 3. The gymnastic insignia shall be the black monogram H.G.T. worn on the scarlet front of the leotard or on the regular gymnastic sweater. The H shall be a regulation straight

H, $\frac{1}{4}$ inch above the bar shall be a straight G $1\frac{1}{2}$ inches high and 1 inch wide, and $\frac{1}{4}$ inch below the bar shall be a straight T $1\frac{1}{2}$ inches high and 1 inch wide. This insignia shall be awarded to no persons who have not won at least six points in dual and triangular meets.

ARTICLE VI.

Basketball.

SECTION 1. The basketball uniform shall consist of a black jersey with two scarlet 1-inch stripes separated by $5\frac{5}{8}$ inches, or a white jersey with two scarlet and black 1-inch stripes separated by $5\frac{5}{8}$ inches; khaki basketball trousers with scarlet and black stripes of $\frac{5}{8}$ inch each, down the sides; and black stockings. The jersey shall be appropriately numbered on the back in scarlet.

SECTION 2. The basketball sweater shall be a solid white coat or V-neck sweater with the regulation scarlet and black block H. The regulation scarlet and black block H shall consist of two sections formed by the diagonal from the upper right-hand corner of the H (exclusive of the block) to the lower left-hand corner (exclusive of the block). Note that both upper blocks will be entirely scarlet and both lower blocks entirely black.

The basketball H shall be awarded each year to not more than three (3) men.

SECTION 3. Basketball numerals shall be awarded each year to not more than three (3) men, who are judged to be the most deserving on the first and second teams.

ARTICLE VII

Track.

SECTION 1. The track uniform shall consist of a white sleeveless jersey and white running trousers, with scarlet and black $\frac{1}{2}$ -inch stripe down the sides and around the bottom.

SECTION 2. The track sweater shall be a solid scarlet coat or V-neck sweater, with the regulation black Varsity H. A regulation black block H shall be worn on the jersey. The track H

shall be awarded each year and only the following men shall be eligible for consideration:

(a) In the annual I. C. A. A. A. Meet, men who have won a point or part of a point.

(b) In the Middle States Intercollegiate Meet, men who have won or tied for a place, and who have won three (3) points in dual meets during the season.

(c) In the U. of P. Relay Carnival, members of a winning relay team who have won three (3) points in dual meets during the season.

(d) In dual meets, men who have won first place or tied for first place with a member of the opposing team, and also won five (5) other points in dual meets during the season. Note—A tie for second place with a member of the opposing team shall count three (3) points.

SECTION 3. Numerals may be awarded to any man scoring six (6) points in dual meets during the season.

SECTION 4. Points toward the Walton Prize Cup shall be counted as follows:

(a) I. C. A. A. A. Meet—For each of the five places, respectively, 25, 20, 15, 10 and 5 points.

(b) M. S. I. C. C. Meet—For each of the four places, respectively, 15, 9, 6 and 3 points.

(c) U. of P. Relays—Each member of the relay team for the three places, respectively, 5, 3 and 1 points. Three places in individual events, respectively, 15, 9 and 3 points.

(d) Dual Meets—Points to count as they are scored for the team.

ARTICLE VIII.

Baseball.

SECTION 1. The baseball uniform shall consist of a plain gray collarless shirt with 'Haverford' in 3-inch black letters on the breast and $\frac{3}{4}$ -inch sleeves, plain gray knee knickerbockers, plain black stockings, and a gray cap with a black straight H $1\frac{1}{8}$ " by $1\frac{1}{8}$ ".

SECTION 2. The baseball sweater shall be a solid white coat or V-neck sweater with the regulation black block H. The baseball

H shall be awarded each year to not more than five (5) men.

SECTION 3. Numerals shall be awarded to not more than five (5) men, who are adjudged to be the most deserving on the first and second teams.

ARTICLE IX.

Tennis.

SECTION 1. A scarlet regulation straight H shall be awarded to the winner or winners of the Intercollegiate Championship.

SECTION 2. The insignia shall consist of a scarlet monogram H.T.T. worn on the breast of a white V-neck sweater. The H shall be a regulation straight scarlet H; $\frac{1}{4}$ inch above and below the bar shall be a straight T $1\frac{1}{2}$ inches high and 1 inch wide. The insignia shall be awarded each year to not more than four (4) members of the Varsity team.

SECTION 3. Numerals may be awarded to not more than three (3) members of the first and second teams for conscientious work during the season.

ARTICLE X.

Cricket.

SECTION 1. The cricket colors shall consist of the cricket sweater, the scarlet and black blazer and cap, and scarlet and black sash. The cricket sweater shall be white, V-neck with a scarlet and black band on the skirt and wrists $1\frac{1}{2}$ inches wide, and shall have on the breast a scarlet block H. The cricket H shall be awarded each year to not more than five (5) men.

SECTION 2. Numerals may be awarded to not more than five (5) men who are adjudged to be the most deserving on the first and second teams.

ARTICLE XI.

Varsity Hat.

SECTION 1. The only hat on which H's may be worn shall be Varsity hat, and H's may be worn thereon only by those to whom they have been awarded as herein provided. The hat shall be a white flannel University Special hat (such as Spalding's No. 202) with scarlet and black block H with diagonal line from upper left

to lower right-hand corner, left section scarlet. The letter to be of the following dimensions: Height, $\frac{3}{4}$ inch between blocks; block, $\frac{9}{32}$ inch thick, projecting $\frac{3}{16}$ inch; width inside bars, $\frac{1}{2}$ inch; cross bars, $\frac{9}{32}$ inch thick midway between blocks; vertical bars, $\frac{1}{4}$ inch thick.

ARTICLE XII.

Class Hat.

SECTION 1. The only hat on which class numerals may be worn shall be the official class hat, and numerals may be worn thereon only by those to whom they have been awarded as herein provided. The numerals shall be plain Arabic numerals 1 inch high and $\frac{1}{4}$ inch thick.

ARTICLE XIII.

Wearing of Emblems.

No person shall be entitled to wear an emblem, uniform or parts of uniforms above mentioned, except on the field or in a meet, until that person shall have been authorized to do so by the committee having charge of same.

Football Department

Manager

HAROLD M. GRIGG, '22

Assistant Managers

HAL G. FARRAR, '23

WILLIAM H. HAMILTON, '23

Captain

NATHAN B. SANGREE, '22

Coach

DR. M. S. BENNETT

Cheer Leader

RICHARD M. SUTTON, '22

Haverford College Football Team

SANGREE, '22 (<i>Captain</i>)	.....quarterback
PAXSON, '22	.....center
HILLEMANN, '22	.....right guard
MATZKE, '22	.....quarterback
WALTON, '22	.....left end
HEILMAN, '22	.....left halfback
BROWN, '23 (<i>Captain-elect</i>)	.....fullback
STRAWBRIDGE, '23	.....right end
JONES, '23	.....left guard
ALLEN, '23	.....right halfback
EDGERTON, '24	.....left tackle
WILBUR, '24	.....left halfback
HULME, '25	.....right tackle
GARRETT, P., '25	.....center

Wearers of the Football "H"

SANGREE, '22 (<i>Captain</i>)	BROWN, '23
PAXSON, '22	JONES, '23
HILLEMANN, '22	STRAWBRIDGE, '23
WALTON, '22	EDGERTON, '24
MATZKE, '22	

Wearers of the Football Numerals

HEILMAN, '22	WILBUR, '24
ALLEN, '23	HULME, '25
	P. GARRETT, '25

HAVERFORD COLLEGE FOOTBALL TEAM, 1920-21



Football Season, 1921-22

Oct. 8.	Haverford..	0	Stevens	0	At Hoboken
Oct. 15.	Haverford..	0	F. and M.	35	At Haverford
Oct. 22.	Haverford..	0	Delaware	13	At Haverford
Oct. 29.	Haverford..	7	Ursinus	13	At Collegeville
Nov. 5.	Haverford..	3	Johns Hopkins..	28	At Baltimore
Nov. 12.	Haverford..	6	Trinity	0	At Haverford
Nov. 19.	Haverford..	0	Swarthmore ...	55	At Swarthmore

Haverford, 0; Stevens, 0

October 8, 1921

Haverford		Stevens
Strawbridge	r. e.	Provost
Hilleman	r. t.	Busch, Capt.
Hulme	r. g.	Turnbull
Paxson	c.	Moeller
Jones	l. g.	Dillon
Edgerton	l. t.	Emslie
Walton	l. e.	Emerson
Sangree (Capt.)	q. b.	McCaffrey
Wilbur	l. h. b.	Bajusz
Allen	r. h. b.	Snyder
Brown	f. b.	Laverie

Substitutions—Stevens: Anthony for Turnbull, O'Callaghan for Snyder, Fitzpatrick for Anthony, Mowton for Laverie, Odion for Emerson. Haverford: Garrett for Strawbridge, Thompson for Jones. Referee—Halne. Umpire—Fisher. Linesman—Smith. Time of periods—15 minutes.

Score by periods:

Haverford	0	0	0	0—0
Stevens	0	0	0	0—0

Haverford, 0; Franklin & Marshall, 35**Haverford****October 15, 1921****F. & M.**

Strawbridge	r. e.	Brown
Hilleman	r. t.	Williams
Hulme	r. g.	Barr
Paxson	c.	Madison
Jones	l. g.	Gilbert
Edgerton	l. t.	Roberts
Walton	l. e.	Kurtz
Matzke	q. b.	J. P. Jones
Wilbur	l. h. b.	H. Jones
Fansler	r. h. b.	Weissenmuller
Sangree (Capt.)	f. b.	Cragen

Touchdowns—J. P. Jones, 2; Cragen, 2; Roberts. Substitutions—F. & M.: May for H. Jones, Bassett for J. P. Jones, Snyder for Brown, Gelsey for Barr, Nielly for May, Barney for Kurtz, Frank for Williams, Groff for Bassett. Haverford: Arnold for Fansler, Harvey for Paxson, Billo for Arnold, Heilman for Sangree, Garrett for Walton, Lewis for Heilman. Periods—Four 13 minutes. Referee—Cook. Umpire—Davidson. Head linesman—Green.

Score by periods:

Haverford	0	0	0	0—0
F. & M.	7	14	14	0—35

Haverford, 0; Delaware, 13**Haverford****October 22, 1921****Delaware**

Strawbridge	r. e.	Price
Hulme	r. t.	McKelvie
Hollingshead	r. g.	Gofigon
Garrett	c.	Lilly
Jones	l. g.	Akin
Hilleman	l. t.	Holton
Walton	l. e.	Young
Matzke	q. b.	Schaeffer
Allen	l. h. b.	Jackson
Edgerton	r. h. b.	Rothrock
Brown (Act. Capt.)	f. b.	Williams

Touchdowns—Jackson, 2. Goal from touchdown—Holton. Substitutions—Haverford: Heilman for Allen, Thompson for Hollingshead, Lewis for Edgerton. Time of periods—15 minutes. Referee—Whetstone. Umpire—Wright. Head linesman—Tyler.

Score by periods:

Haverford	0	0	0	0—0
Delaware	0	0	7	6—13

Haverford, 7; Ursinus, 13

October 29, 1921

Haverford		Ursinus
Strawbridge	r. e.	Mann
Hulme	r. t.	Cornog
Hilleman	r. g.	Johnston
Garrett	c.	Glass
Jones	l. g.	Updike
Edgerton	l. t.	Detwiler
Walton	l. e.	Hotwells
Matzke	q. b.	Faye
Fansler	l. h. b.	Tarbell
Sangree	r. h. b.	Evans
Brown (Act. Capt.)	f. b.	Kengle

Touchdowns—Edgerton, Faye, Kengle.—Goals from touchdown—Brown and Faye. Substitutions—Ursinus: Yarnell for Faye, Faye for Tarbell. Haverford: Heilman for Fansler. Referee—Gilbert. Umpire—Shalet. Head linesman—Cook. Periods—15 minutes.

Haverford, 3; Johns Hopkins, 28

Haverford	November 5, 1921	John Hopkins
Strawbridge	r. e.	Rich
Hilleman	r. t.	Knechten
Hulme	r. g.	Landy
Garrett	c.	Totterdale
Jones	l. g.	Magill
Edgerton	l. t.	Westerman
Walton	l. e.	Middleton
Sangree (Capt.)	q. b.	Darley
Heilman	l. h. b.	Bonner
Matzke	r. h. b.	Markell
Brown	f. b.	Calkins

Touchdowns—Markell, Bonner, Middleton, Darley. Goals from touchdown—Calkins, 4. Goal from field—Brown. Substitutions—Haverford: Wilbur for Sangree, Heilman for Matzke, Harvey for Garrett. Referee—Cosgrove. Umpire—Cutts. Head linesman—Davidson. Time of quarters—13 minutes.

Score by periods:

Haverford	3	0	0	0—3
Johns Hopkins	7	7	7	7—28

Haverford, 6; Trinity, 0

Haverford	November 12, 1921	Trinity
Strawbridge	r. e.	Tausill, (Capt)
Hulme	r. t.	Woolam
Hilleman	r. g.	Richmam
Garrett	c.	Brill
Jones	l. g.	Dolan
Edgerton	l. t.	Sinclair
Walton	l. e.	Hartt
Matzke	q. b.	Nordland
Wilbur	l. h. b.	Sudcliffe
W. B. Heilman	r. h. b.	Keating
Brown (Act. Capt.)	f. b.	Kennedy

Touchdown—Edgerton. Substitutions—Haverford: Paxson for Garrett. Trinity: Mills for Hartt, O'Connor for Sinclair, Sinclair for O'Connor, Ransom for Sudcliffe, Ortgies for Keating. Referee—Morice. Umpire—Whiting. Head linesman—Palmer. Time of period—15 minutes.

Score by periods:

Haverford	0	0	6	0—6
Trinity	0	0	0	0—0

Haverford, 0; Swarthmore, 55

Haverford	November 19, 1921	Swarthmore
Strawbridge	r. e.	Ogden
Hulme	r. t.	Dudley
Hilleman	r. g.	Knauer
Paxson	c.	Cornell
Jones	l. g.	Willis
Edgerton	l. t.	Wilcox
Walton	l. e.	Jackson
Sangree (Capt.)	q. b.	Geiges (Capt.)
Wilbur	l. h. b.	Asplundh
Allen	r. h. b.	Earp
Brown	f. b.	Yarnall

Touchdowns—Geiges, 2; Yarnall, 2; Asplundh, Jackson, Earp. Goals from touchdown—Yarnall, 5; Dudley, Ogden. Field goals—Earp, 2. Substitutions—Swarthmore: Earnshaw for Willis, White for Earp, Baxter for Ogden, Earp for White, Schoemaker for Knauer, Knauer for Schoemaker, Ogden for Baxter, Thoenen for Yarnall, Schneider for Geiges, Hope for Asplundh, Smith for Jackson. Haverford: Lewis for Allen, Matzke for Lewis, Hollingshead for Hulme, Garrett for Strawbridge, Strawbridge for Garrett, Taylor for Walton. Referee—Merritt. Umpire—Gillinder. Head linesman—Tyler. Field judge—Davidson. Time of periods—15 minutes.

Score by periods:

Haverford	0	0	0	0—0
Swarthmore	24	7	14	10—55

Soccer Department

Manager

EDWARD A. TAYLOR, '22

Assistant Managers

JOHN C. BORTON, '23

C. DIXON HEYER, '23 (*Manager-elect*)

Coach

DANIEL OATES

Captain

ALFRED G. MUENCH

Wearers of the Soccer H

A. K. BUCKNELL, '22

W. C. HUNSICKER, JR., '23

C. M. SNADER, '22

(*Captain-elect*)

M. C. MCKINLEY, '22

G. S. HOAG, '23

R. W. LEEDS, '23

H. L. WILBUR, '23

Wearers of Soccer Numerals

R. W. JANNEY, '22

S. B. KNOWLTON, '23

J. C. BORTON, '23

R. LONGSTRETH, '24

J. M. FISHER, JR., '24

1921-22 Intercollegiate Schedule with Scores

Oct. 29.	Haverford.. 0	Princeton	1	At Haverford
Nov. 5.	Haverford.. 0	Cornell	3	At Haverford
Nov. 12.	Haverford.. 2	U. of P.	1	At Haverford
Nov. 24.	Haverford.. 6	Yale	0	At New Haven
Nov. 25.	Haverford.. 1	Harvard	4	At Cambridge

Totals Haverford.. 9 Opponents . 9

I. C. League

The League Championship was won by Princeton, with Cornell second. Haverford tied for third place with the University of Pennsylvania.



HAVERFORD COLLEGE SOCCER TEAM, 1921-22

Other Varsity Scores

Oct. 1.	Haverford	..... 2	Germanatown Boys' Club	..... 0
Oct. 25.	Haverford	..... 4	Merion C. C. Whites	..... 2
Oct. 19.	Haverford	..... 4	Syracuse	..... 0
Oct. 22.	Haverford	..... 2	Merion C. C. Maroons	..... 0
Dec. 3.	Haverford	..... 3	Swarthmore	..... 3
Dec. 7.	Haverford	..... 1	Penn State	..... 1
		—		
Totals—Haverford		.....16	Opponents	..... 6

Second Team Scores

		H.	Opp.
Oct. 7.	West Philadelphia High	..... 0	2
Oct. 15.	Girard College	..... 2	10
Oct. 22.	U. of P. 3d	..... 2	0
Nov. 9.	George School	..... 1	2
Nov. 12.	U. of P. 2d	..... 1	1
Nov. 30.	Swarthmore	..... 0	1
Dec. 10.	Lafayette	..... 1	1
Dec. 16.	Lehigh	..... 2	3
		—	—
Totals		..... 9	20

Haverford College Soccer Team, 1921-22

WILBUR	.....goal
LEEDS	.....left fullback
FISHER	.....right fullback
LONGSTRETH	.....left halfback
MUENCH (<i>Captain</i>)	.....center halfback
BUCKNELL	.....right halfback
JANNEY	.....outside left
HOAG	.....inside left
SNADER	.....center forward
HUNSICKER (<i>Captain-elect</i>)	.....inside right
McKINLEY	.....outside right

Intercollegiate League Matches

Haverford, 0; Princeton, 1

October 29, 1921

Princeton		Haverford
Cooper	g.	Wilbur
McIlvaine	l. f. b.	Leeds
Innes	r. f. b.	Fisher
Seidensteicher	l. h. b.	Longstreth
Smart	c. h. b.	Muench
Wood	r. h. b.	Bucknell
Petrochat	o. l.	Janney
Woodbridge	i. l.	Hoag
Simonds	c. f.	Snader
Thomas	i. r.	Hunsicker
Wittingham	o. r.	McKinley

Goals—(penalty) Smart. Referee—Schofield. Linesmen—
Ferlandino and Babb. Time of halves—45 minutes.

Haverford, 0; Cornell, 3

November 5, 1921

Cornell		Haverford
Molinet	g.	Wilbur
Fates	l. f. b.	Fisher
O'Connor	r. f. b.	Knowlton
Thompson	l. h. b.	Bucknel
Cillanez	c. h. b.	Longstreth
Quong	r. h. b.	Hunsicker
Cook	o. l.	Janney
Rosseau	i. l.	Hoag
Elli	c. f.	Snader
Smith	i. r.	Nieh
Righter	o. r.	McKinley

Goals—Smith, Righter, Elli. Substitutions—Crabtree for Cillonez, Cillonez for Fates, Wright for Knowlton. Time of halves—45 minutes.

Haverford, 2; University of Pennsylvania, 1

November 12, 1921

Haverford

U. of P.

Wilbur	g.	Macintosh
Fisher	l. f. b.	Downs
Knowlton	r. f. b.	Harris
Longstreth	l. h. b.	Vollmer
Muench	c. h. b.	Amelia
Bucknell	r. h. b.	Barron
Janney	o. l.	Macelroy
Hoag	i. l.	Wilder
Snader	c. f.	Blair
Hunsicker	i. r.	Partridge
McKinley	o. r.	Nolte

Goals—Hunsicker, Muench, Amelia. Referee—D. Scott. Linesmen—Nieh and Vanneman. Time of halves—40 minutes.

Haverford, 6; Yale, 0

November 24, 1921

Haverford

Yale

Wilbur	g.	Scheide
Fisher	l. f. b.	Brockman
Leeds	r. f. b.	Hartshorne
Bucknell	l. h. b.	Lanham
Muench	c. h. b.	Meyer
Longstreth	r. h. b.	Mayers
Janney	o. l.	Paxton
Hoag	i. l.	Johnson
Snader	c. f.	Stovall
Hunsicker	i. r.	Lane
McKinley	o. r.	Humphrey

Goals—Hoag 2, Borton, Hunsicker, Muench, Snader. Substitutions—Parker for Langham, Kellog for Lane, Borton for Snader, Nieh for Hunsicker. Referee—Booth. Time of halves—35 minutes.

Haverford, 1; Harvard, 4

November 25, 1921

Harvard

Haverford

Brigham	g.	Wilbur
Heizer	l. f. b.	Leeds
Hartley	r. f. b.	Fisher
Heath	l. h. b.	Longstreth
Murray	c. h. b.	Muench
Begg	r. h. b.	Bucknell
Eldridge	o. l.	Janney
Lamont	i. l.	Hoag
Byington	c. f.	Snader
Cope	i. r.	Hunsicker
Tuttle	o. r.	McKinley

Goals—Byington 3, Heizer, Hunsicker. Substitutions—Keyes for Heath, Heath for Keyes, Keyes for Brigham. Referee—Howe. Time of halves—35 minutes.

Gymnastic Department

Manager

C. G. PAXSON, '22

Assistant Managers

R. G. ALLEN, '23

A. S. BUCK, '23

Captain

W. B. HEILMAN, '22

Coach

DR. PHILIP BISHOP

Wearers of the Gymnastic H

W. B. HEILMAN, '22

Wearers of the Gymnastic H

N. S. ARROWSMITH, '22

Intercollegiate Association of Amateur Gymnasts of America Meet, held at Massachusetts Institute of Technology, Boston, Mass., March 31, 1922.

HORIZONTAL BAR—Won by Cremer (N. Y. U.); Cory (Navy) second; Pearson (Navy) third.

SIDE-HORSE—Won by Sheldon (Princeton); Pearson (Navy) second; Cory (Navy) third.

PARALLEL BARS—Won by Pearson (Navy); Cory (Navy) second; Schmoor (N. Y. U.) third.

CLUB SWINGING—Tie between Dugan (Navy) and Ten Eyck (Princeton); Heilman (Haverford) third.

FLYING RINGS—Won by Nold (Navy); Taylor (Navy) second; McCoy (M. I. T.) third.

TUMBLING—Won by Comp (Navy); Clarke (Princeton) second; Sylvester (Navy) third.

ALL AROUND CHAMPIONSHIP—Won by Pearson (Navy) 246; Cory (Navy) second, 226; Cremer (N. Y. U.) third, 224.

JUDGES—Dr. Schrader, Dr. Seikel, Dr. Swan, Mr. Browning, Mr. Eberhard, Mr. Cameron, Mr. Hebbert, Dr. Carpenter, Mr. Ertel.

The team totals follow: Navy, 42; Princeton, 12; N. Y. U., 7; Haverford, 1; M. I. T., 1; Dartmouth, 0; Harvard, 0; U. of P., 0; Rutgers, 0; Yale, 0.

Basketball Department

Captain

ROBERT R. MATZKE

Manager

THOS. R. MONTGOMERY

Assistant Managers

C. BEVAN STRAYER

HOWARD COMFORT (*Mgr.-elect*)

Coach

DR. L. R. DAVIS

Members of Team

R. R. MATZKE (*Captain*)forward

A. K. BUCKNELLforward

J. C. ARNOLDcenter

K. B. WALTONguard

A. G. MUENCHguard

H. B. TAYLORguard

Substitutes—P. Garrett N. Mathis, C. Hendricks, W. M. Heilman.

Letters Awarded

BUCKNELL

WALTON

MUENCH

(Captain Matzke's letter voluntarily omitted.)

Numerals Awarded

ARNOLD

TAYLOR

HEILMAN

Schedule

*DrexelHomeDec. 12

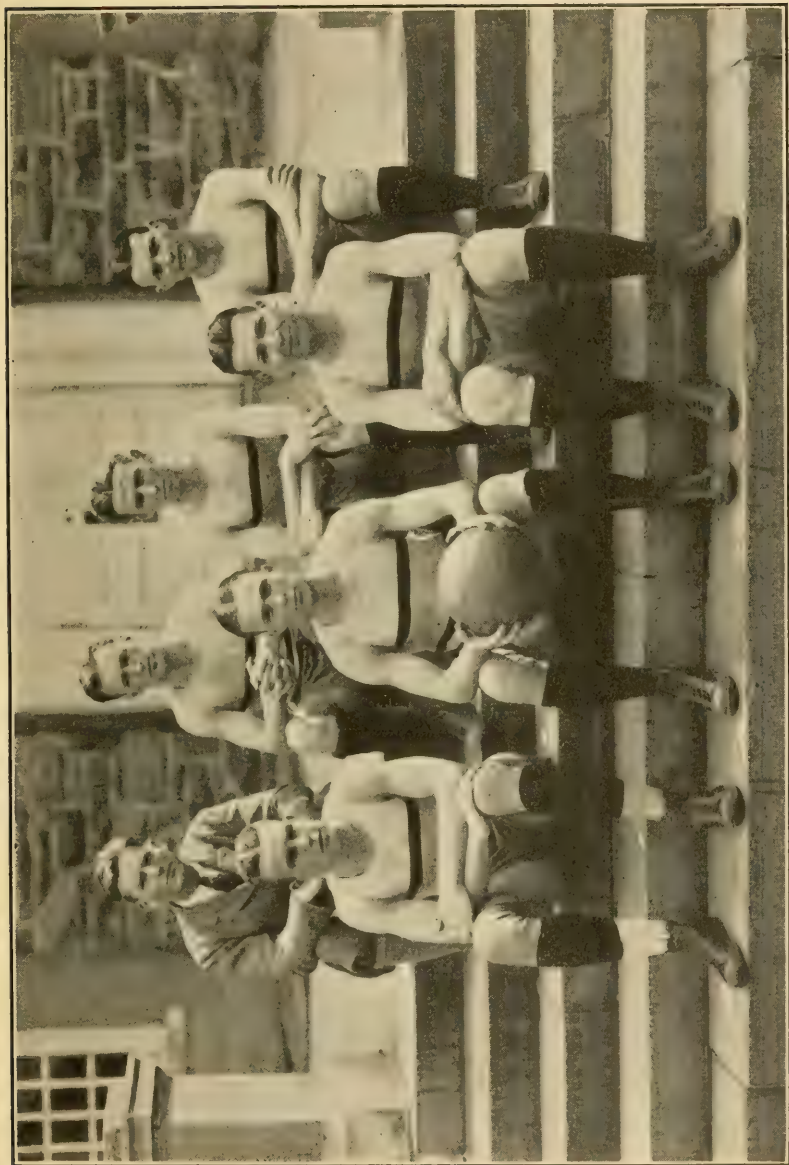
*SusquehannaHomeDec. 15

PrincetonAwayJan. 7

StevensAwayJan. 14

DelawareHomeJan. 21

AlbrightHomeJan. 28



Haverford College Basketball Team, 1921-22

Pittsburgh Trip

Gettysburg	Away	Feb. 1
Geneva	Away	Feb. 2
Grove City	Away	Feb. 3
Westminster	Away	Feb. 4
*Drexel	Away	Feb. 11
*Osteopathy	Home	Feb. 14
Lafayette	Away	Feb. 21
Franklin and Marshall	Away	Mar. 1
Muhlenburg	Home	Mar. 3
Swarthmore	Home	Mar. 11

Haverford, 24; Drexel, 20 (Practice)

Haverford		Drexel
Matzke	forward	Greenwood
Arnold	forward	Weinberger
Walton	center	Sidwell
Muench	guard	Connell
Bucknell	guard	Strauble

Field goals—Arnold 2, Walton 4, Bucknell 2, Matzke, Weinberger 2, Sidwell 2, Connell, Strauble. Four goals—Matzke 6 out of 10, Sidwell 8 out of 11. Substitutions—Taylor for Muench.

Haverford, 24; Susquehanna, 21

Haverford		Susquehanna
Matzke	forward	Cole
Arnold	forward	Bannon
Walton	center	Ragowitz
Bucknell	guard	Rayner
Muench	guard	Gaffney

Field goals—Bucknell 4, Muench 2, Walton 2, Arnold, Gaffney 2, Cole 2, Ragowitz 2, Bannon 2, Rayner. Foul goals—Matzke 6 out of 11, Gaffney 3 out of 8.

*Indicates Practice Game.

Haverford, 12; Princeton, 31

Haverford	Princeton
Matzke	forward Klaess
Arnold	forward Jefferies
Walton	center Gaines
Muench	guard Loeb
Bucknell	guard Wittmer

Field goals—Matzke 2, Loeb 5, Klaess 3, Jefferies, Gaines, Wright, Jennings, Winfield, Brauner. Foul goals—Matzke 8 out of 19, Princeton 5 out of 10.

Haverford, 21; Stevens, 35

Haverford	Stevens
Matzke	forward Kurtz
Arnold	forward Bettman
Walton	center Laverie
Bucknell	guard Highley
Muench	guard Roth

Field goals—Matzke 3, Walton 2, Bucknell, Muench, Bettman 3, Highley 3, Kurtz, Laverie. Foul goals—Matzke 7 out of 11, Kurtz 19 out of 21.

Haverford, 24; Delaware, 25

Haverford	Delaware
Matzke	forward Keith
Arnold	forward Robinson
Walton	center Lovell
Muench	guard Wills
Bucknell	guard Ramsey

Field goals—Arnold 3, Walton, Bucknell, Robinson 2, Betzmer 2, Wills. Foul goals—Matzke 14 out of 19, Lovell 15 out of 17.

Haverford, 21 ; Albright, 30**Haverford****Albright**

Matzke	forward	Wagner
Walton	forward	Deck
Arnold	center	Kingsley
Taylor	guard	Miller
Bucknell	guard	Klein

Field goals—Matzke 2, Walton, Taylor, Bucknell, Deck 6, Klein 3, Wagner, Miller, Kingsley. Foul goals—Matzke 11 out of 12, Wagner 6 out of 6.

Haverford, 18 ; Gettysburg, 36**Haverford****Gettysburg**

Matzke	forward	Bream
Bucknell	forward	Emanuel
Arnold	center	Weigle
Walton	guard	Gingerich
Taylor	guard	Fisher

Field goals—Walton 2, Weigle 7, Bream 3, Gantz 2, Bender, Taylor, Emanuel, Wren. Foul goals—Matzke 12 out of 15, Fisher 7 out of 13.

Haverford, 25 ; Geneva, 35**Haverford****Geneva**

Matzke	forward	Galbraith
Bucknell	forward	Boren
Arnold	center	Harr
Walton	guard	Thomas
Taylor	guard	Loeffler

Field goals—Matzke 4, Arnold 2, Walton 2, Harr 5, Bucknell 2, Galbraith 3, Borne 2, Thomas, Loeffler. Foul goals—Matzke 5 out of 15, Boren 9 out of 16. Substitutions—Mathis for Arnold.

Haverford, 26; Grove City, 34**Haverford****Grove City**

Matzke	forward	Bible
Bucknell	forward	Foster
Arnold	center	Stephanian
Walton	guard	Shorts
Taylor	guard	Abrams

Field goals—Walton 6, Matzke, Bucknell, Garrett, Foster 6, Shorts 2, Stephanian 1, Smith 1, Abrams. Foul goals—Matzke 2 out of 6, Walton 6 out of 14, Foster 11 out of 15.

Haverford, 17; Westminster, 22**Haverford****Westminster**

Matzke	forward	Snyder
Bucknell	forward	Turner
Arnold	center	Frances
Taylor	guard	Thompson
Walton	guard	Goldstrohm

Field goals—Matzke 2, Bucknell, Arnold, Snyder, Turner, Frances, Moore. Foul goals—Walton 2 out of 6, Matzke 7 out of 10, Turner 14 out of 20.

Haverford, 23; Drexel, 34 (Practice)**Haverford****Drexel (Practice)**

Matzke	forward	Sidwell
Bucknell	forward	Weinberger
Arnold	center	Greenwood
Taylor	guard	Strabel
Walton	guard	Connell

Field goals—Matzke 3, Arnold 2, Walton 2, Bucknell, Greenwood 6, Weinberger 5, Connell. Foul goals—Walton 7 out of 12, Sidwell 10 out of 15.

Haverford, 32; Textile, 26 (Practice)**Haverford****Textile (Practice)**

Matzke	forward	Birkby
Bucknell	forward	Bradley
Arnold	center	Anderson
Walton	guard	Newman
Taylor	guard	Marder

Field goals—Bucknell 5, Matzke 2, Walton 3, Taylor 3, Arnold, Bradley 7, Anderson 3, Newman. Foul goals—Walton 4 out of 5, Bradley 4 out of 7.

Haverford, 19; Lafayette, 33**Haverford****Lafayette**

Matzke	forward	Longacre
Bucknell	forward	Repa
Arnold	center	Crate
Taylor	guard	King
Muench	guard	Beiber

Field goals—Matzke, Bucknell, Muench, Garrett, Longacre 4, Crate, Beiber, Mallinger. Foul goals—Matzke 11 out of 13, Longacre 11 out of 15. Substitutions—Garrett for Taylor, Heilman for Bucknell.

Haverford, 17; Muhlenberg, 19**Haverford****Muhlenberg**

Matzke	forward	Holstrom
Bucknell	forward	Johnson
Arnold	center	Kintzing
Taylor	guard	Taggart
Muench	guard	Freed

Field goals—Matzke, Bucknell, Arnold, Muench 2, Holstrom, Johnson 2, Kintzing 2. Foul goals—Arnold 9 out of 17, Matzke 0 out of 1, Kintzing 11 out of 18. Substitutions—Garrett for Muench, Muench for Garrett. Referee—Geiges. Time—20-minute periods.

Haverford, 16; Franklin and Marshall, 37**F. and M.****Haverford**

Rhodes	forward	Matkze
Nealy	forward	Bucknell
Madison	center	Arnold
King	guard	Muench
Weismuller	guard	Taylor

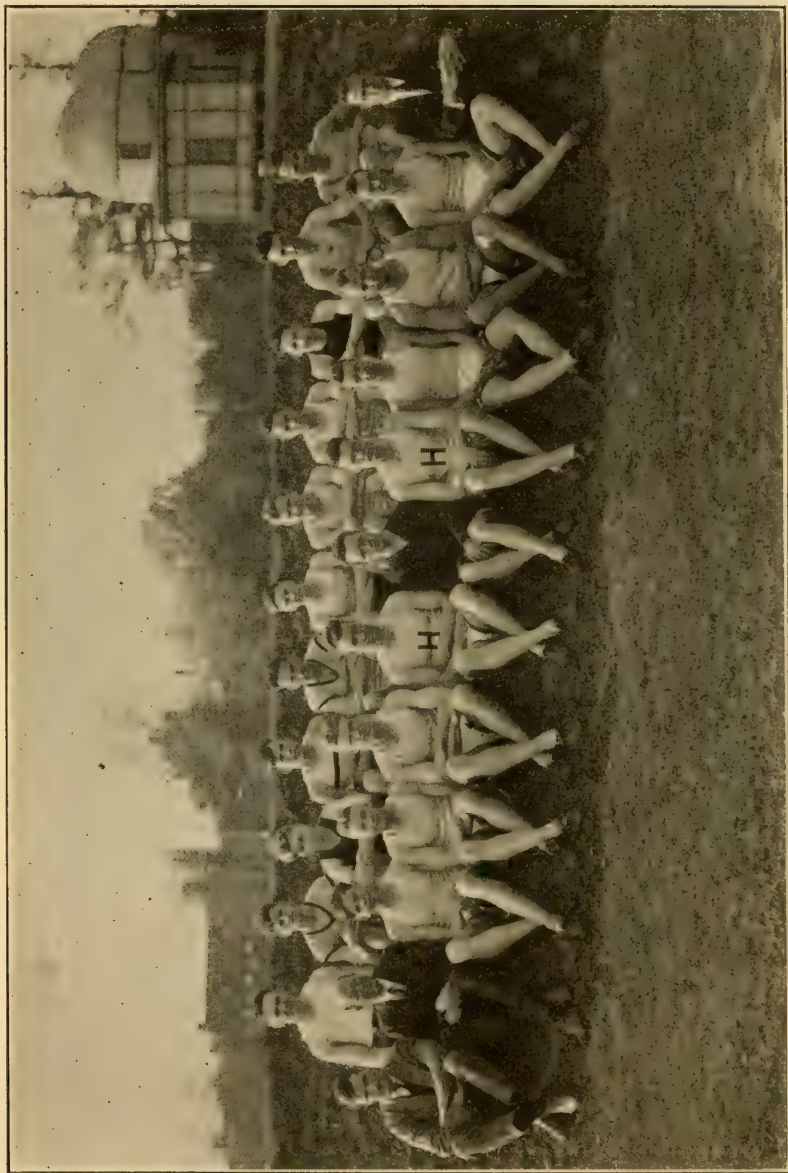
Field goals—King 5, Weismuller 3, Madison 2, Nealy 2, Rhodes, Matzke, Muench. Foul goals—Rhodes 9 out of 17, Madison 2 out of 7, Arnold 9 out of 18, Matzke 3 out of 6. Substitutions—F. and M.: Lesker for Nealy, Gerber for King, Roberts for Rhodes. Haverford: Heilman for Bucknell, Garrett for Muench. Referee—Killinger. Time—20-minute periods.

Haverford, 16; Swarthmore, 18**Haverford****Swarthmore**

Matzke	forward	Grenhart
Bucknell	forward	Baxter
Arnold	center	Ogden
Walton	guard	Earnshaw
Muench	guard	Yarnall

Field goals—Matzke, Muench, Walton, Ogden, Yarnall. Foul goals—Matzke 10 out of 14, Earnshaw 14 out of 22. Substitutions—Taylor for Walton, Walton for Muench, Muench for Bucknell.





HAVERFORD COLLEGE TRACK TEAM, 1921-22

Track Department*Manager*

R. W. JANNEY

Assistant Managers

J. C. BORTON

C. DENNETT

Captain

H. M. GRIGG

Coach

A. W. HADDLETON

Wearers of Track H

H. M. GRIGG, '22 (Captain)	W. W. BACON, '23
R. G. ALLEN, '23 (Capt.-elect)	W. W. WALTON, '23
R. W. LEEDS, '24	W. H. HAND, '24
W. D. ROGERS, '25	G. A. HILLEMAN, '22
R. M. THOMAS, '25	C. B. STRAYER, '23
H. MONTGOMERY, '25	

Numerals

D. R. EDGERTON, '24	P. C. GRIGG, '24
D. E. WILBUR, '24	C. M. BEIDEMAN, '24
W. R. JONES, '23	

Records Broken, 1922

Javelin—169 feet 1 inch, Hugh Montgomery, '25

Individual Point Totals

R. G. Allen ....40	W. R. Jones ... 8	S. B. Hastings.. 3
W. D. Rogers ..39	G. A. Hilleman. 9	L. E. Chadwick 3
H. M. Grigg ...27	W. H. Hand ... 8½	C. E. Nash.... 3
W. W. Bacon ..19	D. E. Wilbur .. 7	D. W. Eiseman 3
R. M. Thomas..20	P. C. Grigg 6	A. S. Buck.... 1
H. Montgomery 20	C. M. Beideman 6	G. S. Hoag... 1
R. W. Leeds ..13	C. H. Frazier .. 5	Taney ½
W. W. Walton.11	W. R. Sassaman 4	

Track Schedule

- April 22. Interclass Meet.
April 29. Penn Relays.
May 6. Lehigh Meet at Haverford.
May 10. Stevens at Haverford.
May 12, 13. Middle Atlantic States at Franklin and Marshall
College, Lancaster, Pa.
May 19. Franklin and Marshall at Haverford.
May 26. Swarthmore at Swarthmore.

Haverford College Relay Team

- | | |
|------------------|-------------------|
| R. G. ALLEN, '23 | R. W. LEEDS, '24 |
| W. W. BACON, '23 | W. D. ROGERS, '25 |
- Haverford was fifth in special college event.

Middle Atlantic States Conference Meet

Lancaster, May 12, 13, 1922

Rutgers first, Lafayette second. Haverford finished ninth in field of fifteen colleges, with total of 3 points. Grigg was third in the mile, and Rogers was fourth in the broad jump.

Interclass Meet

April 22nd

Juniors 55, Freshman 38, Sophomores 20, Seniors 13.

Haverford, 42; Lehigh, 70

May 6th, 1922

- 100-YARD DASH—Won by Wight (L); Talmadge (L), second. Time, 10 1-5 sec.
ONE MILE RUN—Won by Bray (L); Grigg (H), second. Time, 4 min. 39 1-5 sec.
120-YARD HIGH HURDLES—Won by Allen (H); Meyers (L), second. Time, 17 1-5 sec.

- 440-YARD DASH—Won by Leeds (H); Burgess (L), second. Time, 52 4-5 sec.
- TWO-MILE RUN—Won by Sigmund (L); Francher (L), second. Time, 10 min. 36 2-5 sec.
- 220-YARD LOW HURDLES—Won by Allen (H); Rogers (H), second. Time, 27 1-5 sec.
- 880-YARD RUN—Won by Cook (L); McPherson (L), second. Time, 2 min. 1 1-5 sec.
- 220-YARD DASH—Won by Carol (L); Wight (L), second. Time, 23 4-5 sec.
- POLE VAULT—Tie, Van Ort (L) and Harms (L). Height, 9 ft. 6 in.
- HIGH JUMP—Tie, Berkley and Wingate (L). Height, 5 ft. 4½ in.
- BROAD JUMP—Won by Rogers (H); Allen (H), second. Distance 21 ft. 4¾ in.
- SHOT PUT—Won by Roth (L); Wilbur (H), second. Distance, 34 ft. 11½ in.
- DISCUS THROW—Won by Thomas (H); Sanford (L), second. Distance, 114 ft. 8 in.
- JAVELIN THROW—Won by Montgomery (H); Carol (L), second. Distance, 159 ft. 7 in.

Haverford, 76; Stevens, 50

May 10th, 1922

- 100-YARD DASH—First, Olsen (S); second, Fluri (S); third, Hilleman (H). Time, 10 1-5 sec.
- ONE MILE RUN—First, Grigg (H); second, Arlt (S); third, Sassaman (H). Time, 4 min. 40 1-5 sec.
- 120-YARD HIGH HURDLES—First, Allen (H); second, Dodge (S); third, Balsh (S). Time, 16 4-5 sec.
- 440-YARD DASH—First, Leeds (H); second, Bacon (H); third, Martine (S). Time, 52 2-5 sec.
- TWO-MILE RUN—First, W. Walton (H); second, Hastings (H); third, Buck (H). Time, 10 min. 48 3-5 sec.
- 220-YARD LOW HURDLES—First, Rogers (H); second, Allen (H); third, Mattimore (S). Time, 26 4-5 sec.

- 880-YARD RUN—First, Jones (H); second, Bacon (H); third, McCrea (S). Time, 2 min. 5 2-5 sec.
- 220-YARD DASH—First, Olsen (S); second, Leeds (H); third, Fluri (S). Time, 22 3-5 sec.
- POLE VAULT—First, Balsh (S); second, Chadwick (H); third, tie, Hand (H) and Taney (H). Height, 9 ft. 9 in.
- HIGH JUMP—First, Dodge (S); second, Nash (H); third, Connelly (S). Height, 5 ft. 7 in.
- BROAD JUMP—First, Rogers (H); second, Dodge (S); third, Allen (H). Distance, 20 ft. 5 in.
- SHOT PUT—First, Busch (S); second, Dodge (S); third, Wilbur (H). Distance 36 ft. 8 in.
- DISCUS THROW—First, Thomas (H); second, Dodge (S); third, Hoag (H). Distance, 112 ft. ½ in.
- JAVELIN THROW—First, Montgomery (H); second, P. Grigg (H); third, Bixby (S). Distance, 155 ft.

Haverford, 81; Franklin & Marshall, 31

May 19th, 1922

- 100-YARD DASH—Won by Kurtz (F & M); Hilleman (H), second. Time, 10 2-5 sec.
- ONE MILE RUN—Won by Grigg (H); Sassaman (H), second. Time, 4 min. 51 1-5 sec.
- 120-YARD HIGH HURDLES—Won by Allen (H); Eiseman (H), second. Time, 18 3-5 sec.
- 440-YARD DASH—Bacon (H); Kurtz (F & M), second. Time, 54 3-5 sec.
- TWO-MILE RUN—Won by Frazier (H); Walton (H), second. Time, 10 min. 39 3-5 sec.
- 220-YARD HURDLES—Won by Rogers (H); Allen (H), second. Time, 26 4-5 sec.
- 880-YARD RUN—Won by Bacon (H); Jones (H), second. Time, 2 min. 13 sec.
- 220-YARD DASH—Won by Hilleman (H); Kurt (F & M), second. Time, 22 4-5 sec.
- POLE VAULT—Tie between Risser (F & M) and Hand (H). Height, 9 ft. 6 in.

- HIGH JUMP—Won by Rothermel (F & M); Waughaman (F & M), second. Height, 5 ft. 4 in.
- BROAD JUMP—Won by Rogers (H); Beideman (H), second. Distance, 19 ft. 11 in.
- JAVELIN THROW—Won by Montgomery (H); P. Grigg (H), second. Distance, 150 ft. 1 in.
- DISCUS THROW—Won by Thomas (H); Kurtz (F & M), second. Distance, 118 ft. 6½ in.
- SHOT PUT—Won by Stroup (F & M); Wilbur (H), second. Distance, 34 ft. 8 in.

Haverford, 49; Swarthmore, 63**May 24th, 1922**

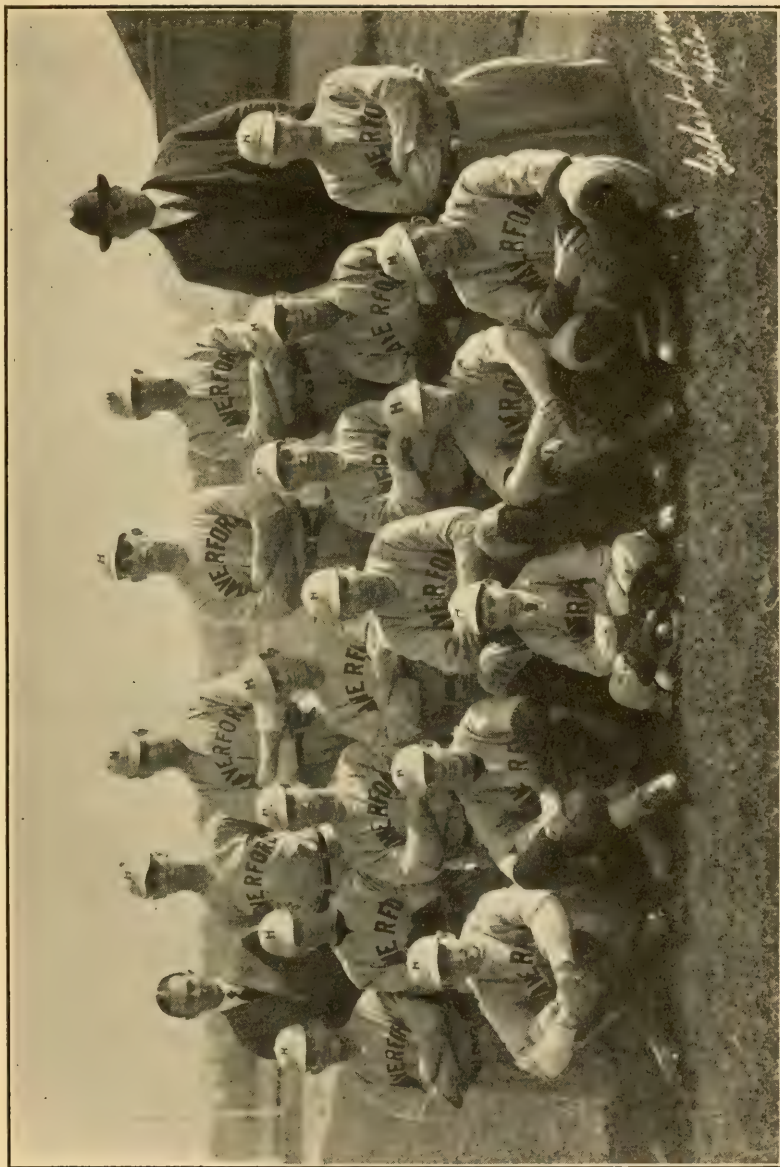
- 100-YARD DASH—Won by Thoenen (S); Stringfellow (S), second. Time, 10 3-5 sec.
- ONE MILE RUN—Won by Grigg (H); Bruner (S), second. Time, 4 min. 39 2-5 sec.
- 120-YARD HIGH HURDLES—Won by Allen (H); Asplundh (S), second. Time, 16 4-5 sec.
- 440-YARD DASH—Won by Spackman (S); Bacon (H), second. Time, 51 1-5 sec.
- TWO-MILE RUN—Won by Shaw (S); Walton (H), second. Time, 10 min. 19 sec.
- 220-YARD LOW HURDLES—Won by Allen (H); Rogers (H), second. Time, 26 2-5 sec.
- 880-YARD DASH—Won by Hemmerly (S); Grigg (H), second. Time, 2 min. 4 4-5 sec.
- 220-YARD DASH—Won by Spackman (S); Thoenen (S), second. Time, 23 3-5 sec.
- POLE VAULT—Tie between Hand (H) and Bonsall (S). Height, 10 ft. 6 in.
- HIGH JUMP—Won by Hampson (S); Blair (S), second. Height, 6 ft.
- BROAD JUMP—Won by Rogers (H); Beideman (H), second. Distance, 20 ft. 7¾ in.
- SHOT PUT—Won by Asplundh (S); Earp (S), second. Distance, 36 ft. ½ in.

JAVELIN THROW—Won by Montgomery (H); Asplundh (S), second. Distance, 169 ft. 1 in.

DISCUS THROW—Won by Thomas (H); Asplundh (S), second. Distance, 108 ft. 5½ in.

Walton Prize Cup, 1922

RUSSEL G. ALLEN, JR., '23, with a total of 60 points, including the 20 points scored in the Interclass Meet, which counts toward the cup.



HAVERFORD COLLEGE BASEBALL TEAM, 1922

Baseball Department

Manager

H. S. FRASER, '22

Assistant Managers

W. W. WALTON, '23 J. B. STEVENSON, '23

Captain

K. B. WALTON, '22

Coach

H. E. McCORMICK

Team

YERKES	Second Base
HUNSICKER	Right Field
MATZKE	Left Field
BROWN	Pitcher
FISHER	First Base
WALTON	Shortstop
WHITE	Catcher
GUMMERE	Center Field
WILEY	Third Base
BILLO	First Base
KNOWLTON	Catcher
ARNOLD	Pitcher
LEWIS	Utility
HULME	Utility

Schedule

Apr. 12.	Drexel at Haverford.
Apr. 15.	Stevens at Haverford.
Apr. 22.	Ursinus at Collegeville.
Apr. 26.	Osteopathy at Haverford.
May 6.	Delaware at Haverford.
May 13.	Delaware at Newark.
May 19.	Franklin and Marshall at Haverford.
May 27.	Swarthmore at Haverford.
June 3.	Johns Hopkins at Baltimore.
June 10.	Albright at Haverford.
June 16.	Alumni at Haverford.

Haverford, 16; Drexel, 15

April 12, 1922

Drexel

	ab	r	h	o	a	e
Crichton, lf	4	3	2	0	0	2
Sellers, 3b	6	1	0	1	2	0
Collinsgrove, c	6	3	2	9	2	1
Belcher, 2b	3	2	2	1	4	0
Hagan, 1b	4	1	2	9	0	0
Stevenson, ss	5	0	1	0	0	0
Robinson, p, rf	3	1	1	1	2	0
Weston, cf	3	2	1	4	0	1
Ranson, rf, p	2	2	0	0	0	1
Brecht, p	2	0	0	0	0	0
Berry, p	0	0	0	0	0	0
Totals	38	15	11	25	13	5

Haverford

	ab	r	h	o	a	e
Matzke, lf	7	1	4	2	0	0
Yerkes, 2b	2	0	0	1	3	0
Brown, ss, 3b	6	2	4	5	3	2
Walton, 1b	4	0	1	1	0	0
Knowlton, c	4	1	2	5	1	0
Gummere, cf	5	2	3	1	1	2
Heilman W., 3b	1	1	1	0	2	1
Wiley, ss	2	0	0	0	0	3
Lewis, rf	3	3	0	1	0	0
Arnold, p	1	0	1	2	2	0
Hunsicker, p, rf	6	4	2	0	2	0
Totals	42	16	18	27	14	8

Drexel 2 0 0 0 7 0 0 4 2—15

Haverford 0 3 0 1 0 1 6 3 2—16

Two-base hits—Brown, 2; Knowlton, Matzke, Crichton,
Hagan, Robinson. Sacrifice hits—Gummere, Willy, Arnold,

Sellers, Belcher. Bases on balls—Off Hunsicker, 5 in 4 innings. Off Arnold, 5 in 5 innings. Off Ransom, 2. Off Brecht, 5 in 4 innings. Winning pitcher, Hunsicker. Losing pitcher, Ransom. Umpire, Adams.

Stevens, 11; Haverford, 3**April 15, 1922****Stevens**

	ab	r	h	o	a	e
Roth, 3b	5	0	1	5	4	0
Dunbar, rf	5	0	1	1	0	0
O'Callaghan H., ss	2	1	1	2	2	0
Huncke, 1b	3	1	1	9	0	1
O'Callaghan F., lf	1	2	0	1	0	0
Kurtz, 2b	5	1	1	4	1	1
Hanagan, c	5	2	3	3	0	0
Lissenden, cf	5	3	2	2	0	0
Griffith, p	3	1	0	0	5	0
Hinkley, c	0	0	0	0	0	0
Totals	44	11	10	27	12	2

Haverford

	ab	r	h	o	a	e
Matzke, lf	5	1	4	0	1	0
Yerkes, 2b	3	0	1	1	0	0
Brown, 3b	5	0	1	4	4	0
Walton, 1b	5	0	1	14	0	0
Knowlton, c	4	0	1	3	4	1
Gummere, cf	4	0	1	2	0	0
Wiley, ss	4	0	1	1	3	1
Lewis, rf	4	0	0	1	0	0
Hunsicker, p	2	1	1	0	1	1
Arnold, p	1	1	0	0	0	0
Totals	41	3	11	27	12	3
Stevens	0	1	0	5	1	2
Haverford	0	0	0	0	2	0

0—11

1—3

Two-base hits—Brown, Yerkes, Willy, Huncke, Dunbar, Lissenden, Hanagan. Sacrifice hits—O'Callaghan F., Griffith. Stolen bases—Huncke, Lissenden. Bases on balls—Off Hunsicker, 8 in 7 innings. Off Arnold, 0. Double plays—Griffith to O'Callaghan H. to Huncke. O'Callaghan H. to Kurtz to Huncke. Brown to Walton, 2. Umpire, Adams.

Ursinus, 8; Haverford, 0

April 22, 1922

Haverford

	ab	r	h	o	a	e
Yerkes, 2b	4	0	1	1	2	0
Hunsicker, rf	3	0	1	1	0	0
Brown, p	4	0	0	1	0	0
Matzke, lf	4	0	1	0	0	1
Walton, ss	4	0	1	3	2	1
Knowlton, c	2	0	0	1	1	0
White, c	2	0	0	2	1	2
Gummere, cf	3	0	1	4	0	0
Billo, 1b	2	0	0	9	0	2
Willey, 3b	3	0	0	2	1	1
	—	—	—	—	—	—
Totals	30	0	5	24	7	7

Ursinus

	ab	r	h	o	a	e
Faye, ss	5	2	2	1	0	0
Wismer, 3b	4	1	1	1	0	0
Kengle, 2g	5	1	0	3	1	0
Canan, 1b	4	1	2	1	0	0
Yarnall, rf	4	0	0	0	0	0
High, c	4	0	2	11	2	0
Paine, lf	2	0	1	1	0	0
Smith, lf	1	0	0	0	0	0
Hahn, cf	4	1	2	2	0	0
Blair, p	0	0	0	0	0	0
Cornog, p, cf	4	2	1	1	1	0
	—	—	—	—	—	—
Totals	37	8	11	27	4	0

Haverford	0	0	0	0	0	0	0	0	0—0
Ursinus	0	0	2	0	4	2	0	0	*—8

Two-base hits—Rahn, Faye, Canan, High. Sacrifice hits—Hunsicker, Wismer, Paine. Stolen bases—Wismer, 2; Hahn, Blair, Faye, Walton, Gummere. Winning pitcher, Cornog. Earned runs—Off Cornog, 0. Off Brown, 1. Bases on balls—Off Cornog, 0. Off Blair, 1. Off Brown, 1. Double plays—Walton to Yerkes.

Haverford, 13; Osteopathy, 0

April 26, 1922

Osteopathy

	ab	r	h	o	a	e
R. Champion, ss	4	0	1	0	1	3
Gerlach, lf	3	0	0	1	0	0
Sullivan, c	4	0	0	11	0	3
Gibbs, cf	2	0	0	3	0	2
Yates, 3b	2	0	0	1	1	2
Thornburn, 1b	3	0	0	7	0	2
Shaw, 2b	3	0	0	1	1	1
Henke, rf, lf	3	0	0	0	0	0
W. Champion, p	2	0	0	0	4	2
Tiggler, rf	1	0	0	0	0	0
Totals	28	0	1	24	7	15

Haverford

	ab	r	h	o	a	e
Matzke, lf	4	4	1	0	0	0
Yerkes, 2b	6	0	2	1	4	0
Brown, p	5	2	2	2	2	0
Walton, ss	3	2	0	3	3	0
Hunsicker, rf	4	3	0	0	0	0
Gummere, cf	3	2	1	0	0	0
Billo, 1b	4	1	1	12	0	0
Willey, 3b	3	1	1	0	1	0
White, c	5	2	0	9	2	0
Totals	37	13	8	27	12	0

Osteopathy	0	0	0	0	0	0	0	0	0—0
Haverford	0	0	2	1	0	0	4	6	*—13

Two-base hit—Yerkes. Home run—Brown. Total bases—Haverford, 76; Osteopathy, 8. Sacrifice hits—Walton, Gummere, Willey. Stolen bases—Walton. Winning pitcher—Brown. Earned runs—Haverford, 2. Bases on balls—Off Champion, 3. Off Brown, 2. Strike outs—By Champion, 11. By Brown, 8. Hit by pitched ball—By Champion, 2. Wild pitches—Brown, 1. Umpire—Harry Adams. Time of game—2 hours.

Delaware, 10; Haverford, 3

May 6, 1922

Haverford

	ab	r	h	o	a	e
Hunsicker, rf	4	0	1	0	0	0
Yerkes, 2b	3	0	0	0	1	0
Matzke, lf	5	0	0	4	0	0
Brown, p	4	1	2	0	6	0
Walton, ss	3	1	2	3	3	0
Knowlton, c	3	1	2	2	1	0
Gummere, cf	3	0	0	4	0	0
Billo, 1b	4	0	2	14	0	0
Willey, 3b	4	0	0	0	1	0
Totals	33	3	9	27	12	0

Delaware

	ab	r	h	o	a	e
Wilson, 2b	4	3	1	2	2	0
Dantz, cf	4	2	2	1	0	0
MacDonald, 1b	5	4	5	13	0	1
Yap, 3b	2	1	0	1	2	0
Jackson, c	5	0	1	4	3	0
Murray, lf	5	0	2	0	0	0
Hock, rf	5	0	0	3	0	0
McCormick, ss	4	0	2	1	2	0
Rothrock, p	4	0	0	2	4	0
Totals	38	10	13	27	13	1

Delaware	3	0	0	0	2	0	2	0	3—10
Haverford	0	0	0	0	0	0	3	0	0—3

Three-base hits—McDonald, 2; Murray. Two-base hits—McDonald, Jackson, Walton. Stolen bases—McDonald, Wilson, 2. Sacrifice hits—Yap, 2; Walton, Dantz. Hit by pitched ball—Yerkes. Out for failing to touch base—Yerkes. Wild pitch—Brown. Passed ball—Knowlton. Struck out—By Rothrock, 4; by Brown, 3. Bases on balls—Off Brown, 2; off Rothrock, 4. Umpire—Martin. Time—2.10.

Delaware, 16; Haverford, 15 (10 innings)

May 13, 1922

Haverford

	ab	r	h	o	a	e
Hunsicker, rf	5	1	0	1	0	1
Yerkes, 2b	2	3	1	2	4	0
Matzke, lf	4	2	1	1	0	1
Brown, p	4	3	4	1	2	0
Walton, ss	2	1	2	3	3	0
Billo, 1b	6	1	1	12	0	0
White, c	3	2	0	8	1	0
Gummere, cf	3	1	1	1	0	1
Arnold, p	2	0	0	0	2	2
Willey, 3b	1	1	1	0	0	0
	—	—	—	—	—	—
Totals	32	15	11	29	12	5

Delaware

	ab	r	h	o	a	e
Wilson, 2b	3	3	0	4	1	0
Dantz, cf	5	3	2	0	0	0
Hoch, rf	4	2	3	7	1	0
Jackson, 1b	4	3	1	9	0	0
Murray, lf	6	0	1	1	2	0
Nutter, c, rf	4	0	2	4	1	0
McCormick, ss	6	2	2	3	2	3
Challenger, p	5	1	0	1	3	1

Haverford

	ab	r	h	o	a	e		
Hunsicker, rf	4	1	1	1	0	0		
Yerkes, 2b	4	1	2	1	4	0		
Matzke, lf	4	0	0	1	0	0		
Brown, p	4	2	1	1	2	0		
Fisher, 1b	2	2	0	9	0	1		
Walton, ss	3	0	0	2	3	0		
White, c	4	0	2	11	4	0		
Gummere, cf	4	0	0	1	0	0		
Willey, 3b	4	0	1	0	2	0		
Totals	34	6	7	27	14	1		
F. & M.	0	0	0	0	1	4	0—5	
Haverford	4	0	0	0	2	0	0	*—6

Stolen bases—Yerkes, 2; Brown, 2; Hunsicker, Billo (for Fisher), Cocklin, Roberts. Sacrifice hits—Matzke, Walton. Two-base hits—White, Rumbaugh. Double play—Brown to Yerkes to Fisher. Winning pitcher—Brown. Strike outs—By Brown, 10; by Clark, 8. Bases on balls—Off Brown, 1; off Clark, 4. Hit by pitched ball—Fisher by Clark. Passed balls—Cocklin, White. Time of game—2 hours 15 minutes. Umpire—Harry Adams.

Swarthmore, 13; Haverford, 2

May 27, 1922

Swarthmore

	ab	r	h	o	a	e
Hayes, cf	5	1	1	1	1	0
Sellers, 1b	4	1	0	7	0	0
Esrey, 3b	3	2	0	3	0	2
Earnshaw, rf	4	2	2	1	1	0
Wood, lf	4	1	2	1	0	0
Ogden, p	5	2	1	1	1	0
Dotterer, 2b	4	2	2	0	3	2
Butterworth, ss	4	2	3	1	1	1

Wenzel, c	4	0	0	12	0	1
Snyder, c	1	0	0	0	0	0
Crownover, p	0	0	0	0	0	0
	—	—	—	—	—	—
Totals	38	13	11	27	7	6

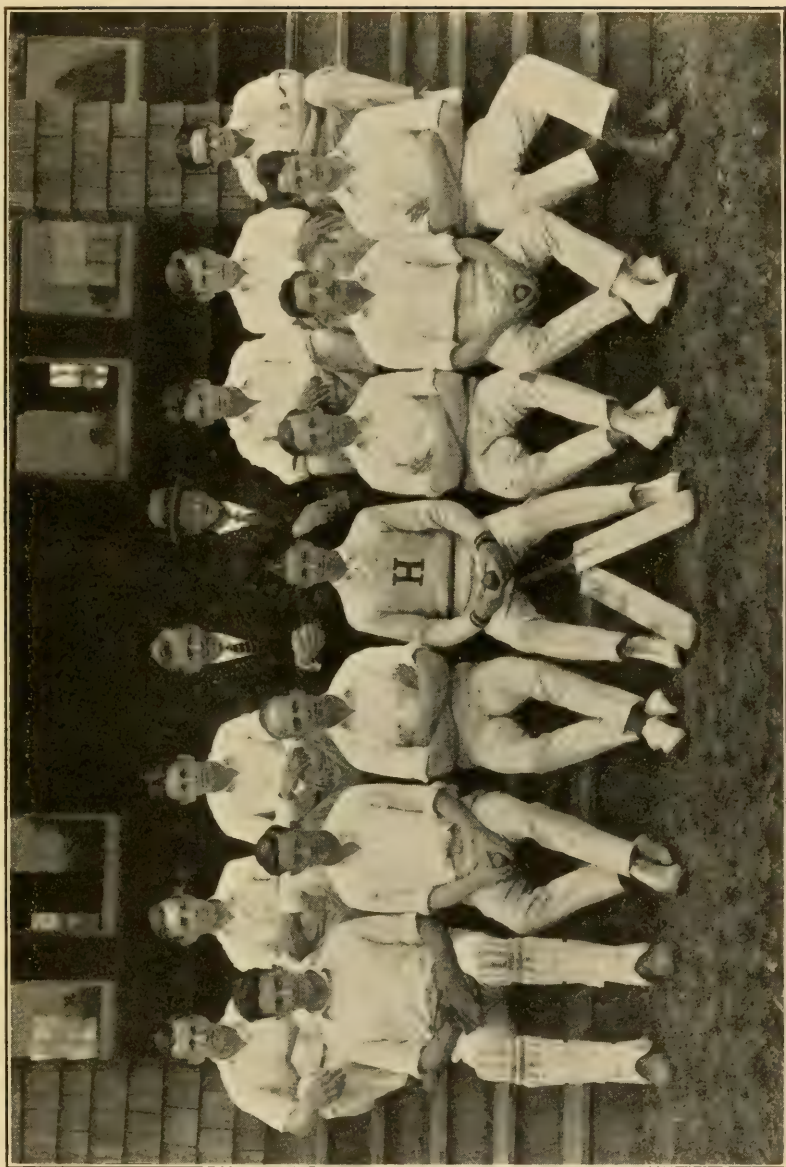
Haverford

	ab	r	h	o	a	e
Hunsicker, rf	1	0	0	0	0	2
Gummere, rf	3	0	0	0	0	3
Yerkes, 2b	3	0	0	6	4	1
Matzke, lf	4	0	1	0	0	0
Brown p	4	0	0	0	6	0
Fisher, 1b	3	0	1	12	0	0
Walton, ss	4	0	1	4	2	1
White, c	3	0	0	2	2	0
Billo, cf	4	1	1	2	0	1
Willey, 3b	4	0	0	1	2	1
*Lewis	0	1	0	0	0	0
	—	—	—	—	—	—
Totals	33	2	4	27	16	9

*Lewis ran for Fisher.

Swarthmore	2	1	4	0	1	0	0	1	4—13
Haverford	0	0	0	0	0	1	1	0	0—2

Two-base hits—Earnshaw, 2; Esrey, Butterworth, Billo, Fisher. Home run—Dotterer. Sacrifice hits—Sellers, Dotterer, Butterworth. Stolen bases—Esrey, Wood, Dotterer, Yerkes. Double plays—White to Fisher; Willey to Walton; Earnshaw to Sellers. Bases on balls—Off Ogden, 3; off Brown, 5. Struck out—By Ogden, 10; by Brown, 1. Passed ball—White. Wild pitches—Brown, 2. Hit by pitched ball—White (By Crownover). Time of game—2:15. Umpires—Adams and Black.



HAVERFORD COLLEGE CRICKET TEAM, 1921-22

Cricket Department*Manager*

R. M. SUTTON, '22

Assistant Managers

G. S. HOAG, '23

R. LEEDS, '23

Captain

S. N. EWAN, '21 (Resigned)

C. M. SNADER, '22

Coach

F. A. BURTON

Cricket Team

S. N. EWAN, (Captain—resigned)

C. M. SNADER, '22 (Captain)

E. B. GRAVES, '21

R. T. OHL, '21

T. M. LOGAN, '23

H. COMFORT, '24

G. P. HARNWELL, '24

T. GARRETT, '25

T. S. ELLIS, '24

P. C. GARRETT, '25

J. F. BLAIR, '24

J. A. SILVER, '25

Date	Schedule	H.	Opp.
April 29.	Merion C. C. home)*		Forfeit
May 4.	Frankford C. C.		Rain
May 6.	Wanderers*	50	95
May 10.	University of Pennsylvania*	109	209
May 13.	Philadelphia C. C. (away)*	79	123
May 20.	Staten Island C. C. (away)*		Cancelled

*Designates Philadelphia League Cup Match.

May 24.	University of Pennsylvania, at Merion*	190	63
May 25.	Frankford C. C. (home).....	142	68
May 27.	Germantown C. C., at Manheim*.....	61	24
May 30.	Philadelphia C. C. (home)*.....		Forfeit
May 31.	Wanderers*.		
June 3.	Merion C. C., at Merion*.		
June 7.	Ardmore C. C. (at home)*		
June 10.	Germantown C. C., at Manheim*.		
June 14.	Ardmore C. C. (home)*.		
June 15.	Faculty.		
June 16.	Alumni.		

Haverford, 143; Merion, 148

(Forfeit to Haverford)

April 29, 1922

Haverford

FIRST INNINGS

Comfort, c., b. Mifflin	20
Graves, b. Mifflin	34
Snader, c., b. Mifflin	23
Logan, b. Macgill	17
P. Garrett, c., b. Mifflin	1
T. Garrett, b. Mifflin	9
Harnwell, c., b. Lowry	2
Brown, c., b. Lowry	0
Ohl, not out	19
Silver, c., b. Lowry	1
Ellis, not out	9
Extras	8
<hr/>	
Total	143

*Designates Philadelphia League Cup Match.

Merion**FIRST INNINGS**

C. C. Morris, b. Brown	66
Thorpe, b. Logan	11
Lowry, b. Logan	7
Magill, b. Brown	18
Castle, b. Brown	14
Babb, b. Brown	5
Walton, c., b. Brown	2
Reiter, c.	0
Fritz, not out	7
Evans, not out	10
Mifflin, no bat	—
Extras	8
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Total	148

BOWLING ANALYSIS

	R.	W.	Ave.
Logan	78	2	39
Brown	36	5	7.2

Haverford, 50; Wanderers, 95**May 6, 1922****Wanderers****FIRST INNINGS**

Thompson, b. Logan	25
Wistar, c., b. Logan	4
Gummere, c. Garrett, b. Logan	36
Hitchen, b. Logan	2
Allison, b. Logan	12
Graham, T. Garrett, b. Comfort	5
Wood, b. Snader	1

C. H. Thompson, c., b. Snader	0
G. Thompson, c., b. Snader	1
B. G. Thompson, b. Snader.....	0
Edwards, not out	0
Extras	9
Total	95

Haverford

FIRST INNINGS

Comfort, b. Thompson	16
Graves, run out	4
C. Snader, c. G. Thompson, b. C. Thompson	3
Logan, c., b. Allison	7
P. Garrett, c., b. Allison	0
T. Garrett, c., b. Allison	9
Harnwell, c. Thompson, b. Thompson	5
Ohl, l. b. w., b. Thompson	2
Blair, b. Thompson	0
Silver, b. Allison	0
Ellis, not out	0
Extras	4
Total	50

BOWLING ANALYSIS

	R.	W.	Ave.
Logan	52	5	10.4
Snader	0	4	0.0
Comfort	5	1	5.0

Haverford, 109; University of Pennsylvania, 209

May 10, 1922

Univ. of Penna.

FIRST INNINGS

Aris, b. Logan	0
Silcock, not out	86
Heyes, b. Logan	64
Bester, b. Snader	6
C. Braun, c. Harnwell, b. Ellis	26
Ferguson, b. Logan	4
Lyons, b. Snader	13
Felix, b. Logan	0
Boutillier, not out	0
Steele, no bat	0
Extras	13
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Total	209

Haverford

FIRST INNINGS

Comfort, b. Braun	4
Graves, c. Aris, b. Bester	2
Snader, c., b. Braun	7
T. Logan, c. Bester, b. Braun	27
P. Garrett, c., b. Braun	10
T. Garrett, l. b. w., b. Braun	17
Harnwell, h. Braun	4
Ohl, c. Bester, b. Bester	1
Silver, run out	23
Ellis, b. Bester	8
Harvey, not out	6
Extras	10
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Total	109

BOWLING ANALYSIS

	R.	W.	Ave.
Logan	101	4	25.2
Snader	48	2	24
Ellis	22	1	22

Haverford, 79; Philadelphia C. C., 123

May 13, 1922

Haverford

FIRST INNINGS

Graves, b. Ellison	16
Comfort, c. Herberton, b. Ellison	3
Snader, c. Norri, b. Ellison	6
Logan, c. Newhall, b. Van Pelt	1
P. Garrett, c. Norris, b. Ellison	15
T. Garrett, b. Norris	18
Ohl, l. b. w., b. Van Pelt	14
Harnwell, c. Kurtz, b. Van Pelt	0
Silver, b. Ellison	2
Blair, not out	0
Sutton, b. Van Pelt	0
Extras	4
Total	79

Philadelphia C. C.

FIRST INNINGS

Ellison, run out	77
Taylor, c. Logan, b. Snader	2
Bentley, run out	1
Norris, b. Logan	7
Kurtz, c. T. Garrett, b. Snader	16
Wray, c. Ohl, b. Snader	4
Morrison, b. Logan	1

HAVERFORD COLLEGE

81

Van Pelt, b. Ohl	2
Herberton, b. Logan	3
Ogelsby, not out	5
Newhall, c. Silver, b. Snader	0
Extras	5
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Total	123

BOWLING ANALYSIS

	R.	W.	Ave.
Logan	55	3	18.3
Snader	37	3	12.3
Ohl	28	1	28

Haverford, 190; University of Pennsylvania, 63

May 24, 1922

Haverford

FIRST INNINGS

Comfort, c. Bester, b. Bester	14
P. Garrett, b. Silcock	34
Snader, h.w., Silcock	80
Graves, not out	36
T. Garrett, not out	22
Logan, no bat	0
Ohl, no bat	0
Silver, no bat	0
Blair, no bat	0
Harnwell, no bat	0
Ellis, no bat	0
Extras	4
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Total	190

Univ. of Penna.

FIRST INNINGS

Silcock, b. Logan	0
Aris, c. Snader, b. Logan	31
Ferguson, b. Ohl	4
Braun, b. Logan	7
Bester, c. Harnwell, b. Snader	2
Boutillier, b. Logan	1
Brown, b. Snader	0
Belden, not out	8
Felix, b. Logan	2
Fayfield, b. Logan	0
Johnson, c. Comfort, b. Logan	1
Extras	7
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Total	63

BOWLING ANALYSIS

	R.	W.	Ave.
Logan	22	7	3.2
Ohl	12	1	12
Snader	22	2	11

Haverford, 142; Frankford, 68

May 25, 1922

Frankford

FIRST INNINGS

Foulkrod, b. Ohl	18
Bottomley, b. Logan	4
Hansell, b. Logan	0
Manuel, b. Logan	0
Hole, c. Logan, h. Ohl	7
Benson, c. Comfort, b. Logan	0
Farlam, b. Logan	13

HAVERFORD COLLEGE

83

Dugdale, c. Snader, b. Logan	6
Tattersall, c. Ellis, B. Ohl	1
Saddington, not out	8
Ogelsby, c. P. Garrett, b. Ohl	9
Extras	2
<hr/>	
Total	68

Haverford

FIRST INNINGS

Graves, stumped	31
P. Garrett, run out	6
Comfort, c. Saddington, b. Bottomley	0
Snader, b. Tattersall	44
T. Garrett, b. Tattersall	20
Logan, c. Manuel, b. Bottomley	2
Ohl, c. Bottomley, b. Dugdale	5
Silver, c. Bottomley, b. Tattersall	11
Blair, b. Dugdale	12
Harnwell, not out	2
Ellis, l. b. w., b. Tattersall	0
Extras	11
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Total	142

BOWLING ANALYSIS

	R.	W.	Ave.
Logan	39	6	6.5
Ohl	28	4	7.0

Haverford-Philadelphia, May 30, 1922—Forfeit by Philadelphia.

Haverford-Wanderers, May 31, 1922—Forfeit by Wanderers.

Tennis Department*Manager*

D. A. FLANDERS, '22

Assistant Managers

H. W. CARPENTER, '23

G. R. GRIMES, '23

Team

A. K. BUCKNELL, '22, Captain

F. S. MILLER, '22

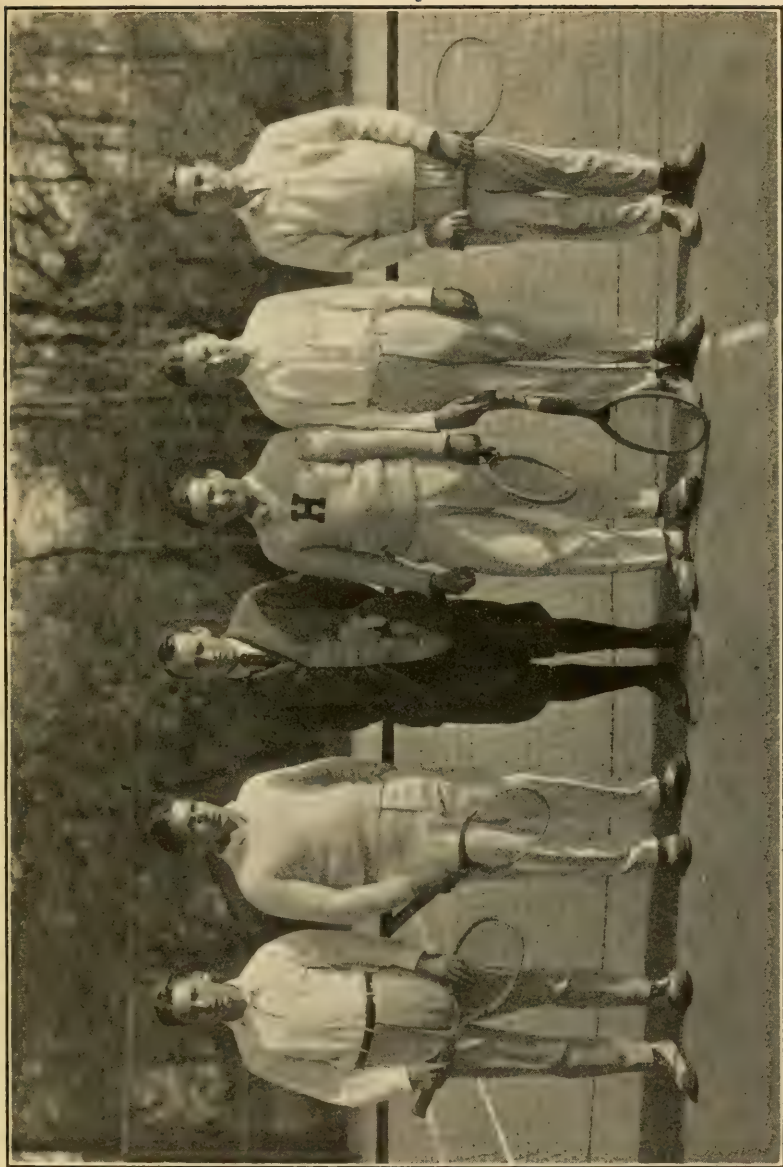
EDWARD FOULKE, '24

E. W. ZERRER, '22

F. WARRINER, '23

Schedule with Scores

Date	H.	Opp.
April 22. Phila. Textile School (home).....	3	3
April 29. N. Y. U. (away).....	1	5
May 17. F. and M. (home).....	3	1
May 19. Phila. College of Osteopathy (home).....	3	3
May 23. Delaware (away)	6	0
May 25. Moravian College (away).....	6	0
May 27. Swarthmore (away)	2	4
June 3. Muhlenberg (home)	6	0
	—	—
Total points	30	16



HAVERFORD COLLEGE TENNIS TEAM, 1921-22

Class 1925 Track Squad

WM. D. ROGERS, *Captain*JOHN C. STARBUCK, *Manager*A. W. HADDLETON, *Coach*

Indoor Contests

Date	Pts.	Pts.
Feb. 25. Haverford, 1925.42½	Haverford School.....	36½
Mar. 11. Haverford, 1925.52½	Lower Merion H. S.....	26½
Mar. 18. Haverford, 1925.63	Penn Charter School....	7

Outdoor Contests

Apr. 19. Haverford, 1925.52¾	Penn Charter School....	46⅓
May 1. Haverford, 1925.61¾	Lansdowne H. S.	37 2/5
*May 15. Haverford, 1925.27½	Media H. S.	26½
June 3. Haverford, 1925.66	Franklin and Marshall Academy	42
†June 10. Haverford, 1925.63	George School	54

*With three events not completed meet was called off at Media's request because of heavy showers.

†Report received too late for tabulation below.

SUMMARY OF POINTS WON BY MEMBERS 1925 TRACK SQUAD.

Names.	Haverford School.	Lower Merion H. S.	Penn Charter School.	Penn Charter School.	Lansdowne H. S.	Media H. S.	Franklin and Marshall Acad.	Total points.
Barton.....	2	...	2	...	...	...	1	5
Bayer.....	2	2	5	...	...	...	...	9
Billo.....	3	4	8	...	...	...	...	15
Burns.....	7	4	6	...	5	4	5	31
Chadwick.....	...	...	...	1	2	...	4	7
Cocks.....	...	...	...	3	1	...	1	5
Eiseman, D. W.....	...	...	...	4	...	...	...	4
Haines.....	...	1	...	...	...	...	...	1
Harvey.....	1	1	1	...	...	...	...	3
Heilman.....	3	...	...	...	...	...	...	3
Hollingshead.....	...	1	1	...	...	...	...	2
House.....	...	1	...	1	1	...	3	6
Hulme.....	...	1	...	...	...	...	...	1
Johnson, C. H.....	...	...	...	...	...	1	3	4
Johnson, P.....	...	1	7	1	$\frac{1}{5}$	$\frac{1}{2}$	...	$9\frac{7}{10}$
Laug.....	5	5	6	...	...	...	...	16
Meeks.....	...	1	1	...	...	...	...	2
Montgomery.....	$1\frac{1}{2}$	$\frac{1}{2}$	3	$\frac{1}{3}$	$5\frac{1}{5}$	...	5	$17\frac{8}{15}$
Reinhardt.....	$2\frac{1}{2}$	1	6	$\frac{1}{3}$	$\frac{1}{5}$	...	...	$10\frac{1}{30}$
Rogers, Capt.....	8	8	2	11	15	13	18	75
Rhoades.....	...	3	2	10	12	3	2	32
Sassaman.....	...	5	...	10	5	...	10	30
Smith.....	1	...	1	...	...	...	...	2
Strong.....	1	1	1	...	...	...	...	3
Taubel.....	4	6	2	...	3	1	5	21
Taney.....	...	...	...	...	5	...	...	5
Taylor.....	...	...	...	5	...	...	...	5
Thomas, R. M.....	...	4	8	3	5	...	9	29
Turner, P. F.....	$\frac{1}{2}$	...	...	...	...	...	...	$\frac{1}{2}$
Watson.....	1	...	1	3	2	5	...	12
Yerkes.....	...	2	...	...	...	...	...	2
Total Squad Points.....	$42\frac{1}{2}$	$52\frac{1}{2}$	63	$52\frac{2}{3}$	$61\frac{3}{5}$	$27\frac{1}{2}$	66	

The Walton Prize Cup

Presented by Mr. Ernest F. Walton, of the Class of 1890, for the encouragement of individual athletic work, and to be awarded annually to the student who wins the highest total of points in athletic competition during the college year, and subject to the following conditions:

1. The athletic events accepted shall be those of the annual interclass athletic meeting, the sophomore-freshman athletic sports, the Pennsylvania relay carnival, the annual Princeton handicap games, and the I. C. A. A. A. A. meeting. Additional events may be accepted at the discretion of the committee of award. (Dual college meets now included.)

2. See Art. VIII, Sec. 4, of A. A. Constitution for revised value of points.

3. The athletic sub-committee of the general advisory athletic committee of the alumni and students shall constitute the committee of award.

4. The winner of the Cup shall hold the same for one year and his name with total points won shall be inscribed upon it.

5. The Cup shall be returned to the athletic director immediately after the Intercollegiate Meeting (I. C. A.A.A.A.), and shall be re-awarded within the two weeks following the same meeting.

6. The conditions above outlined may be modified at the unanimous wish of the joint student and alumni committee, with the consent of the donor.

Holders of the Walton Prize Cup

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Aver.</i>
1901—	J. W. REEDER.....	'02	23
1902—	J. W. REEDER.....	'02	53½
1903—	T. K. BROWN, JR.....	'06	42
1904—	T. K. BROWN, JR.....	'06	45
1905—	T. K. BROWN, JR.....	'06	58½
1906—	T. K. BROWN, JR.....	'06	77
1907—	WALTER PALMER	'10	62
1908—	WALTER PALMER	'10	66
1909—	G. S. BARD.....	'09	55½

1910—WALTER PALMER	'10	60
1911—F. M. FROELICHER.....	'13	67½
1912—F. M. FROELICHER.....	'13	66½
1913—F. M. FROELICHER.....	'13	66½
1914—E. M. JONES.....	'14	73
1915—W. L. MARTWICK.....	'16	51
1916—J. A. HISEY.....	'18	47½
1919—J. A. HISEY.....	'19	68
1920—FRANCIS SILVER	'20	24
1921—J. A. HISEY.....	'21	30½
1922—RUSSEL G. ALLEN, JR.	'23	60

Cope Prize Bat

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Aver.</i>
1877—E. T. COMFORT.....		'78	18.83
1878—E. T. COMFORT.....		'78	10.03
1879—SAMUEL MASON		'80	14.
1880—SAMUEL MASON		'80	17.57
1881—T. N. WINSLOW.....		'81	12.5
1882—G. B. SHOEMAKER.....		'83	9.6
1883—W. F. PRICE.....		'81	11.88
1884—SAMUEL BETTLE		'85	17.25
1885—SAMUEL BETTLE		'85	23.
1886—G. S. PATTERSON.....		'88	32.8
1887—A. G. GARRETT.....		'87	35.66
1888—T. E. HILLES.....		'88	9.6
1889—R. L. MARTIN.....		'92	13.
1890—C. H. BURR, JR.....		'89	19.14
1891—J. W. MUIR.....		'92	38.5
1892—J. W. MUIR.....		'92	26.25
1893—J. A. LESTER.....		'96	100.5
1894—J. A. LESTER.....		'96	62.2
1895—J. A. LESTER.....		'96	49.83
1896—J. A. LESTER.....		'96	41.1
1897—C. G. TATNALL.....		'97	9.85
1898—T. WISTAR		'98	21.75
1899—F. C. SHARPLESS.....		'00	26.

1900—F. C. SHARPLESS.....	'04	21.89
1901—C. C. MORRIS.....	'04	21.89
1902—C. C. MORRIS.....	'04	35.29
1903—C. C. MORRIS.....	'04	31.29
1904—W. P. BONBRIGHT.....	'04	31.29
1905—R. L. PEARSON.....	'05	37.
1906—A. T. LOWRY.....	'05	25.8
1907—A. W. HUTTON.....	'10	31.6
1908—A. W. HUTTON.....	'10	19.5
1909—H. A. FURNESS.....	'10	47.4
1910—H. A. FURNESS.....	'10	66.
1911—H. G. TAYLOR, JR.....	'11	28.33
1912—L. V. THOMAS.....	'14	21.3
1913—S. E. STOKES.....	'14	24.55
1914—S. E. STOKES.....	'14	45.8
1915—J. M. CROSMAN.....	'18	27.7
1916—J. M. CROSMAN.....	'18	—
1917—Not Awarded.		
1918—J. D. BARLOW.....	'19	26.2
1919—J. M. CROSMAN.....	'18	44.4
1920—A. M. ABELE.....	'21	31.
1921—J. E. ROGERS	'21	—
1922—	—	—

Congdon Prize Ball

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Aver.</i>
1877—	J. M. W. THOMAS.....	'78	1.11
1878—	E. T. COMFORT.....	'78	6.47
1879—	W. C. LOWRY.....	'79	5.81
1880—	B. V. THOMAS.....	'83	5.78
1881—	W. L. BAILY.....	'83	5.31
1882—	A. C. CRAIG.....	'84	4.30
1883—	W. L. BAILY.....	'83	8.00
1885—	W. F. HILLES.....	'85	4.50
1886—	A. C. GARRETT.....	'87	8.25
1887—	J. W. SHARPE, JR.....	'88	7.68

1888—H. P. BAILY.....	'90	5.47
1889—H. P. BAILY.....	'90	5.86
1890—H. P. BAILY.....	'90	6.50
1891—D. H. BLAIR.....	'91	17.50
1892—JOHN ROBERTS	'93	7.33
1893—JOHN ROBERTS	'93	7.90
1894—A. P. MORRIS.....	'95	5.97
1895—A. P. MORRIS.....	'95	6.46
1896—J. A. LESTER.....	'96	6.19
1897—R. S. WENDELL.....	'00	8.25
1898—L. W. DEMOTTE.....	'01	5.22
1899—W. S. HINCHMAN.....	'00	9.40
1900—L. W. DEMOTTE.....	'01	6.
1901—L. W. DEMOTTE.....	'01	8.13
1902—N. A. SCOTT.....	'02	10.92
1903—H. PLEASANTS, JR.....	'06	7.49
1904—F. D. GODLEY.....	'07	4.83
1905—H. PLEASANTS, JR.....	'06	7.47
1906—F. D. GODLEY.....	'07	8.47
1907—J. B. CLEMENT, JR.....	'08	8.2
1908—J. C. THOMAS.....	'08	7.46
1909—H. HOWSON	'12	8.66
1910—L. R. THOMAS.....	'13	7.1
1911—W. D. HARTSHORNE, JR.	'11	9.4
1912—J. K. GARRIGUES.....	'14	10.45
1913—W. C. BRINTON.....	'15	12.2
1914—W. C. BRINTON.....	'15	8.6
1915—W. C. BRINTON.....	'15	10.2
1916—A. D. OLIVER.....	'19	8.6
1917—Not Awarded.		
1918—E. H. THORPE.....	'19	9.6
1919—E. H. THORPE.....	'19	8.5
1920—S. N. EWAN, JR.....	'21	10.8
1921—S. N. EWAN, JR.	'21	7.3
1922—	—	—

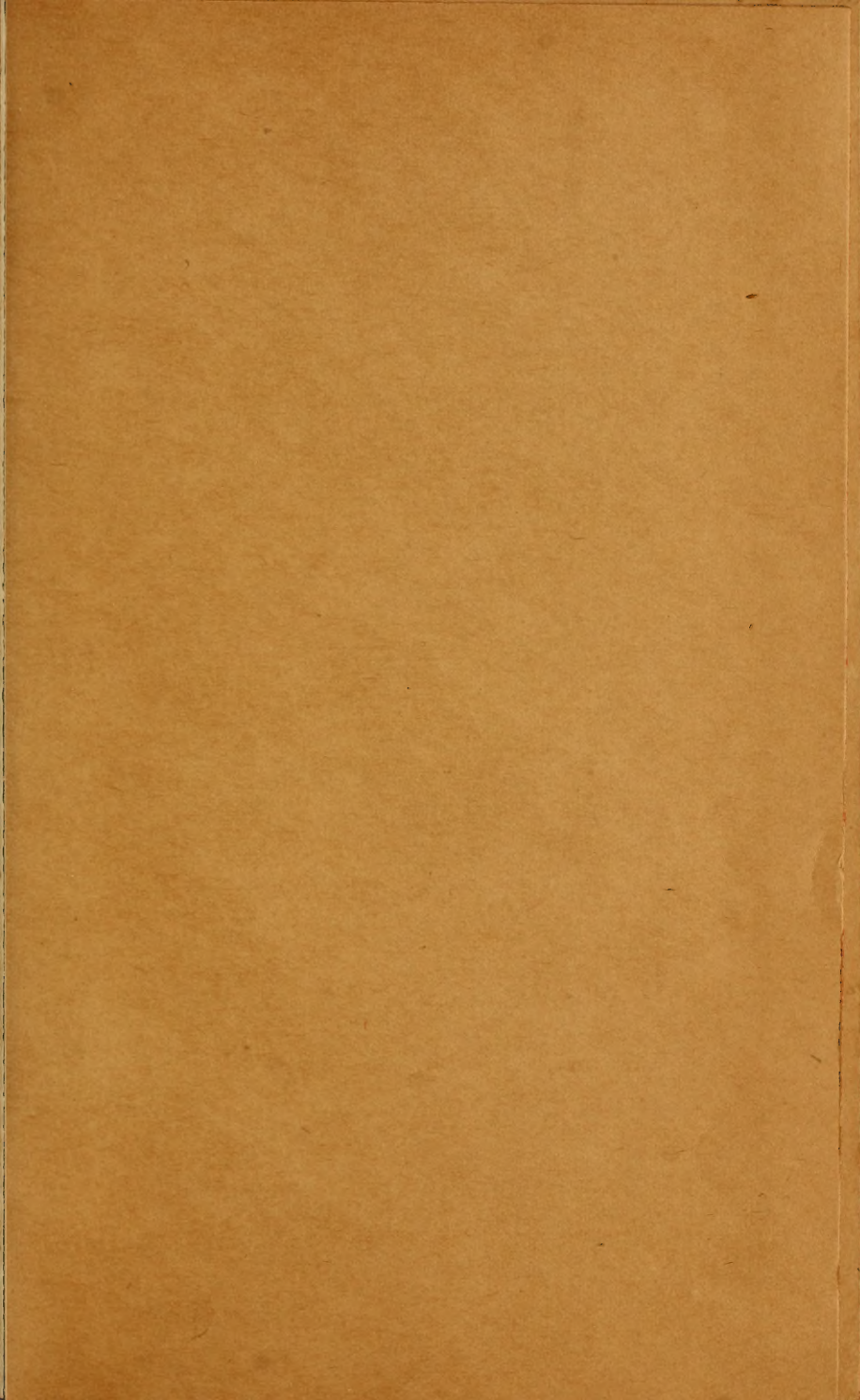
Haines Prize Fielding Belt

1876—C. S. CROSMAN.....'78	1900—W. V. DENNIS.....'02
1877—A. L. BAILY.....'78	1901—C. C. MORRIS.....'04
1878—J. E. SHEPPARD.....'79	1902—A. C. WOOD, JR.....'02
1879—A. P. CORBITT.....'80	1903—J. B. DRINKER.....'03
1880—W. F. PRICE.....'81	1904—H. H. MORRIS.....'04
1881—B. V. THOMAS.....'83	1905—A. T. LOWRY.....'06
1882—S. B. SHOEMAKER....'83	1906—H. W. DOUGHTEN, JR.'06
1883—W. L. BAILY.....'83	1907—J. P. MAGILL.....'07
1884—W. S. HILLES.....'85	1908—E. A. EDWARDS.....'08
1885—W. F. PRICE.....'81	1909—H. A. FURNESS.....'10
1886—J. W. SHARY, JR....'88	1910—H. A. FURNESS.....'10
1887—H. P. BAILY.....'90	1911—H. M. THOMAS, JR..'12
1888—C. H. BURR, JR....'89	1912—H. W. SECKLE.....'14
1889—J. S. STOKES.....'86	1913—S. E. STOKES.....'14
1890—J. W. MUIR.....'90	1914—H. S. MILLER.....'14
1891—G. THOMAS, 3D.....'91	1915—J. E. SHIPLEY.....'16
1892—S. W. MORRIS.....'94	1916—J. E. SHIPLEY.....'16
1893—W. W. SUPPLEE.....'95	1917—Not awarded.
1894—F. P. RISTINE.....'94	1918—.....
1895—J. H. SCATTERGOOD... '96	1919—G. E. TOOGOOD.....'20
1896—A. G. SCATTERGOOD... '98	1920—C. A. OSLER.....'20
1897—A. G. SCATTERGOOD... '98	1921—J. J. BABB '21
1898—A. G. SCATTERGOOD... '98	1922— —
1899—W. S. HINCHMAN.... '00	

College Athletic Records

<i>Event</i>	<i>Time or distance</i>	<i>Holder</i>	<i>Date</i>
100-Yard Dash....	10 sec.....	E. M. Jones, '14.....	1914
220-Yard Dash....	22 1/5 sec.....	E. M. Jones, '14.....	1914
440-Yard Dash....	50 1/5 sec.....	W. Palmer, '10.....	1910
Half-Mile Run....	2 min. 3 4/5 sec...	E. C. Tatnall, '07.....	1905
One-Mile Run....	4 min. 35 sec.....	P. J. Baker, '10.....	1907
Two-Mile Run....	10 min. 15 1/5 sec.	D. Clement, '17.....	1916
High Hurdles....	15 4/5 sec.....	T. K. Brown, Jr., '06..	1905
Low Hurdles....	25 1/5 sec.....	W. L. Martwick, '16..	1915
Broad Jump.....	21 ft. 8 in.	F. M. Froelicher, '13..	1912
High Jump.....	6 ft. 1 in.....	E. B. Conklin, '99.....	1899
Shot Put.....	41 ft. 8½ in.....	F. M. Froelicher, '13..	1912
Hammer Throw..	123 ft. 6 in.....	H. W. Jones, '05.....	1905
Discus Throw....	118 ft. 8 in.....	James L. Pierce, '21...	1919
Pole Vault.....	11 ft. 2 in.....	P. Hunter, '16.....	1916
Javelin	169 ft. 1 in.....	Hugh Montgomery, '25.	1922





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